

actgcaacaa aggaatggaa atattcttgt tccctacttt gatgctaataaaaagctcat 360
t 361

<210> 23891
<211> 257
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23891

ccccccattt ccaaagtgca taacacctcc acgatcaccc acccacagaa gngttgattg 60
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cctagcctct cctcctcaat gctagaaata tcccggaaaa aacaaccag cctccgaact 180
tcgaaccttc agagatacca aagattcacc gtcacgact catcgctcac gactcagccc 240
acggaaaacc tcgacca 257

<210> 23892
<211> 354
<212> DNA
<213> Glycine max

<400> 23892

agcttgtagg attatggggg acccatcaca tgtggtacta ggtggagggt ggacgatggt 60
gcaaaacaag ttctccacat ccacaaatca cgtacaaacc caccatcccc tgttgccac 120
ctccaactga gtcacgtac tcccacgtag cccttacctt cgttcctctc aatgccgagt 180
cccatcaat cctcccaagc ttacacaaca tccaagtaat tcaacatcca ctcatcaca 240
actaacaaaa ccaagcaaaa cagggcaaag gcaggaaact ctgccccaaa ctcatacaa 300
aatcacagc cttttctcac ttaaagacct cagcaacatt tccttcgttc caat 354

<210> 23893
<211> 410
<212> DNA
<213> Glycine max

<400> 23893

tttgaatgaa acaatgtgac tcttcacatt taaattttta tttcagcgtt caagggcact 60

<210> 23896
 <211> 348
 <212> DNA
 <213> Glycine max

<400> 23896

agtttatcat ttattacaac atccttcaaa ctacagacta agctatcgta taaccactcc 60
 atcccttctt ccacgatctc aaccacccac gcctttcatg cctctattcc agcactgatg 120
 cctcatagtt gtttaagtct ctattggctt agcagccac tcatcccaac tacatctctt 180
 gctttctcat gcaagttggt cttgttctt ctgcctctg catatttaaa acatagaaca 240
 ctaggaactt gcttaagatg agaacctct acaccattcc cactgttct tgcagatgcg 300
 attggacaac catatactgc cttatagtga ggcctatttg catgtgac 348

<210> 23897
 <211> 412
 <212> DNA
 <213> Glycine max

<400> 23897

ctcaagccta aagctcacc tatagttgac atggataaca cgaactacag actctgttgc 60
 ggaacggacc agctagctac aaaattgtta gctctacata gacagcctca tctacctcac 120
 cttcgaacct ctctcagctt aattccagac gcaatgatct ggtcctcaga ctgtattctc 180
 ttgttttttg acatttatga gccttggcta catcaatcag atgatacttg cgactcttct 240
 catttttttg ctcttgaaaa agaaaatgat atttctcacc catatttcat actctctctt 300
 ttcacggggg ttocatcatc ctgtaccttg tgaaaaagca aactgcgtca aggagactgg 360
 aatatgcttt tctttcgcta agatctagag ccagagatat ctttaattcac ct 412

<210> 23898
 <211> 363
 <212> DNA
 <213> Glycine max

<400> 23898

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 ttagcaaatg aaggccccca gacgaaatta gggatgaaa gttgccctc tttacttacc 120

ttttattgga aataaaaggg aagtaaagac aaagacacta atttcattcg agcgatctca 180
ccatccgacc ggccactaga ggaggcccaa gcagtgaaac tgaagaagca tgaagacatt 240
gaagttcttc cttttcgatt tctcctttat ttatattttc attctctatt attttgatat 300
tttcttttta aaagcataga cacagaggac gtcgagtcct atgaagcaca aggacaaaag 360
aca 363

<210> 23899
<211> 458
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23899

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ctgagctggt ttgccgacca tcaggagatt tcttttctac tttttcgaaa tncaacggca 120
gatctgtcca gagaaatcct gtttgagact cctggtttgc acctatgcgg gaacttacct 180
gcctgtatga gaaaattgtg tgacattcca ctgatactta tcatatccga taactctggt 240
cttcttaaag attcatattt tcatggaacg catttgctcg ggacttattc ttgaaagtag 300
tggatgattg cgccgatgtt ctcgtcatgg atccccgcat ccctcctggg accgtcaagg 360
gcacactgct cctttagttg tgaacctacg agggctcgat agacgtcgga ctgtataccg 420
actggcctta atgtgtggtt acagtgactt aatcgctg 458

<210> 23900
<211> 349
<212> DNA
<213> Glycine max

<400> 23900

agctttcaag cttgttataa taagagaaaa tgagagtcac agaaattatg gaatggaaat 60
gacgacagtg atgatgacta ttgagaggat agtgagagag acagtggaaa tgagaaaccg 120
acgatgatga aaaaatgggtg atgatcattg actaagacac ataccacac cgtaaatttg 180
accgtgacct tggaataatc atatgaagtt gttgattgga tagaacttgc attgaccta 240
atacaaccat catcactacg atgattagac ttcacacca ccatataata tccatcacca 300

ttagtgtcat tggaatttaa caacctccat atttgggtact gacactatt

349

<210> 23901
<211> 407
<212> DNA
<213> Glycine max

<400> 23901

tgtgcgctct tggcactgcc atttgtttga taaattttga aggagaccta ttccggagat 60
ggattaattg atgatgacat acctgttagt aacagcatac ttatagctag ctgtatagaa 120
gaaaagggat gataaagggt taaataaaaa ataagaatgt agaattatat tctatatata 180
acttaatgaa ataatgaatt ttatatgcag ataaaacgta ataatggtag aacttataat 240
attattaaat agataaaata tatagtcaaa aaattctgat atatttagac atcttaataa 300
tatcaatacc ttattgagat cctcaatttc tctctattat ctgtttttta cacatcatat 360
taattattta tcttctcttt ttttagatct tttatttttt tttctat 407

<210> 23902
<211> 370
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23902

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aacataaaaa gggaaaagggt aatattgtag ccgatgctct ttctcggcgt catgcattac 120
tttctatgct tgaaacaaaa ttgattggtc ttgaatgttt gaaaagcatg tatgaaaatg 180
atgaaaacttt tggagaaatt tttaaaaatt gtgaaaaatt ttcagaaaat ggtttcttta 240
gacattaggc tttcttttca aagaaaacag atgagtgaat aggcaattta gtcctgaga 300
ttgtaaccac tttgcatatt agtcctgac ttanattnta attcataata gtcctaact 360
ttacataagt 370

<210> 23903
<211> 417
<212> DNA
<213> Glycine max

<400> 23903

tgaaataagg atttggttg tagaacataa gttgatgtat aaaataactg tttctctttt 60
 caatggcaga acttaccaat gaagttctgt aggagtcacc ttgatttgca caagaagcgg 120
 agacttatca gccttcacgt gttaagtggg agaatttggc ctgccaaagta tcagatccat 180
 aaacaaaaga ctgctataag atttaaactc tcatggaacg catttgtaa ggacaataac 240
 ttgaaagttg gtgatgttg catctttgaa ctcggtcatg gaactaaact aaccttctg 300
 gttcacatct tcagagagac agatagttca aattgttcaa cgtctcaagg taggattgat 360
 gtttgctttt ctattccaac aattccttat atgtctggta aatatattca tctatct 417

<210> 23904
 <211> 370
 <212> DNA
 <213> Glycine max

<400> 23904
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 aagaagaggt agcaacatca tagtacaaag aactacccaa tgatagtga ttaggatttc 120
 aaggggtgtg ttaatagaag gagaaaaaat agaaggagaa gaagtatgta ggcgagaaaa 180
 gaagagtaaa taaatgttg ttgaatgaaa agaaataaag tgtgaataaa ggggaaatat 240
 ttgaattaaa gttatttaat aagtaaaact ttataattaa aaaaataaaa aggcaaaaca 300
 caattttaac aaacaataat aaccaatttg caagcagggg cagtggggtg aggcagcgta 360
 gcaagtaaag 370

<210> 23905
 <211> 415
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23905

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 agtgtgtgtg gagattgact tgtgccattc agtaacgggg cagggttgat ttgcaatta 120
 cataggttga cgacatcacc tacttttgta aattacaggt gtttttattt ttatttcatt 180
 gagatattgt cagcattagt caaactaagg aaaagaattt ttacactggc taaagttgac 240

atgggtgaaa ggatgtttaa tcaatgtgat ataatttata attttatata ttggtaacaa 300
 tttctttaat gtgtttgtgt ggcgccttct aagggtgatgt acagtgggtga aaattttata 360
 atatgtagca ttacttttat atacttatat tcatttatac atgtgaaagg cgaat 415

<210> 23906
 <211> 370
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23906

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 atttattaac cctgtcgctt ttacttctga ttgtggggaa ggagaagata acggaaggaa 120
 aaacattggt tttaaaaaat atatatttg ccaaggatga ggagatttac ccacactaga 180
 gggtttgcgt tctgaaaaga agatgaaaat gtcaaaattg attgtcaagc aatctttatt 240
 tattttttatt tttttaaaaa aaggcagatg aaaagatttt attagaacac atcactatcc 300
 ttctcaaaaa gtgttttaaaa gatactacaa aatagttcat aaggacagta gcgattttac 360
 taatataatt 370

<210> 23907
 <211> 420
 <212> DNA
 <213> Glycine max

<400> 23907

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 atctgcaatc acaaaaacca aactatatcc ggaaatgaga tgattaatta ctgtttaact 120
 acctagtaag caatatacac caggaggaaa acaagggtga ggaactacat atacaagata 180
 caatggcaat cggcggttaca tgtaaagatc ttaccatttc tttttttggt ggtgctacta 240
 cacgcatgtt ttctcgtaa caacgacgga tattactatt gagcaaggga gatcacagca 300
 attatgattc ataagctatg gaaataaaca aatgaataga tactaattat atgtaaacgg 360
 cgaagaaagt tacctgcata aaagatgatc aggttgtcct tcaattctgt atcatcaaca 420

<210> 23908
 <211> 343

<212> DNA
<213> Glycine max

<400> 23908

agcttgctat gttcgtactg ctgaatttct tgagaatagg agttgaaaat gaagagctac 60
tttcgttttt actcttatac tgatactgac taaaacgatg cctttataac tattagtacg 120
gagttcttgg cagacaaaaa ctgttgtata tagcaaaggt ggttgatagt gatatatcag 180
atgaggagaa tgtgatgaat tatgaatatt cagaaaacac tactaactgt atcatctcct 240
taatctcttt aacacataat aggcaaaaata tacaacattt atcaagtctc actatggccg 300
tggcattcaa caaagtccta agccaagaat ttcaatcttt ctt 343

<210> 23909
<211> 423
<212> DNA
<213> Glycine max

<400> 23909

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gaacgcactg tgatcgtatt caatatacgc aattgtgctc tttgatactt gaccaagccc 120
acactttatt tattaattaa ctatatgaaa aagcgaagtt agactgaagt aaccagggat 180
ctagagtctt atacaaatct atgaatcaca ctccgaaaaa atgaataatc atgtgaaaat 240
tttgtaatta tcagtgagaa caggaaatag aaattggaaa tgtcttctca gaccaacaca 300
cgctcttagt tgtaatgcta ttagggaata agctatagat attgactaag atgctgaaat 360
cgaacaacat ctgactgcga tattgactac ttatgctata tatgcctctt tagtagccta 420
tgt 423

<210> 23910
<211> 370
<212> DNA
<213> Glycine max

<400> 23910

agcttcccaa tttagcatcc tcttacctgc acgctttatc acacaatcac gaccagctaa 60
acaaaaaata aaagtaaaaa cgatcaaacc acataacaaa aaaaaaacg agatcgcggc 120
aaggaaaact caaattccaa acacgaaatc cacaaatcac aagaacgcaa gtcgcaaacg 180

cgaaatccag ctaatcaaaa caacaaattc ccaaataatc ataagaaaaa aaaaccaaca 240
actttccaaa ttgaaaatca tttttccaaa aattaaaaaa aaaaataata acaatccgca 300
agcagataga tcgagaagag aaacgaaagc aagctcgtga tttctaaaaa caatgagcga 360
atcagatttc 370

<210> 23911
<211> 423
<212> DNA
<213> Glycine max

<400> 23911
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aaccacgtaa accccctggt aaactaacta caaggtcttt ctcatctact tcagcaacaa 120
ctcccaaag cttcattcca ggagttatat tctggaatgc atacaagagt gaaagggttta 180
agcacagcac acgggcaaca ggaatctaaa ctccaaaggt gtatgatatc aataagctaa 240
ataaaaaaaaa tgcaacaatt aaagctaaaa gcatatcata aagaattaaa aataatatca 300
taaaaaataa aaaactttta actgttaatt gaactcatcg tgacttcatg acatgaatat 360
acaaactcaa ccctaaatca tgaaaccaa aactacctag ttctataagc tatgcacatt 420
aac 423

<210> 23912
<211> 365
<212> DNA
<213> Glycine max

<400> 23912
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gcttgataat gttttatatt tctagcttgc tgtacaagct tgtagtgttt tatagcttgt 120
ttgtagaagc tcttagaagc tgtcctgtaa tctgtcgcca taggctaggc tgtagccttc 180
atcatgaatt attatatata tatatcagca aactaaggct gaggatcctt tttatgtgca 240
tattttcata ctcaagcatt tcaagtatgt aacaaaaaaaa accactctac accaattgcc 300
tacatgttct ccttagtaca caccatacac ttgtcagtgt actgtctatc aaaagcattc 360
ttaaa 365

<210> 23913
 <211> 363
 <212> DNA
 <213> Glycine max

<400> 23913

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 ggttcaagat gcaagatcgg tgtaatcaat tagtgtttga atgtaccaca gaatcactcc 120
 tcacaggccg acatttgata ttgaccttga tttgaactaa actgttatat catttgcttg 180
 cccacaactc gattttattg caactatttg ctgacataaa ttccaaaact catgtttggg 240
 aacgctgaat atccaattat tttatattta gcataaatgt tggtccttgc ttcttcagct 300
 ctaagtacat atactatgtg cggaatggat tcagatatcc ctattataga ttgttccatg 360
 ata 363

<210> 23914
 <211> 366
 <212> DNA
 <213> Glycine max

<400> 23914

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 catcaatatc ctgaaacaac aaagagagat gtatgagcat tgtatataca ttaagtgaca 120
 ataggaagag gtgagccaat gagtagcaga agcaggtagc acatatcact aattttaaag 180
 acaagttaat gtttaatttg ccaggaagat taagccccta aattctagac aaattttcat 240
 caagtttttag ttgttttttt ttctttttga taaatttttc attagaatga tgagagatgc 300
 attacatagc aaagggggca ttataattaa ctgccaaaca gacattaaag gaatacatcc 360
 caaaac 366

<210> 23915
 <211> 484
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23915

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 cttgctcgga acaaatccaa ctaggcctaa tggtaacaaa ggtgtaattt tgaaatacac 120
 cctaataataa aacctttaat aacttcaatt aatggaactg gggcaaattg tggcttttaa 180
 cggtaaaaag gccttggaag gaagcacttt tccacatcaa aaaaggaccc ccgaaagttg 240
 gaggaggagg aggaaaagaa aaaaggcttt cccttgaggg aaaaaatttc taacctaata 300
 ctcccacacc aagtacatat tagaaaaacc ttttgaaca ccttttgggt aaagtttttc 360
 ttaataaagg atttgcatga aattaaccct ctttaaacac atgttaagtc taatacaaaa 420
 ccaaacatgt taaaggggta cgctgcatgg cctatggcaa ttaccttatt acacacctac 480
 accn 484

<210> 23916
 <211> 363
 <212> DNA
 <213> Glycine max

<400> 23916
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 cacgacaatc atttataaac tgcaaaacga ttgctactat gccacacatt acattcacca 120
 ttggaaacaa gtcctttccc ctctctccag aacaggtttg ttgtttaaca tgaattctct 180
 gtagtttgta catcagtgcc ttagcactag aaaagtgatc atgcataaca atgtatttat 240
 atctaatacc tacctcaatt ttatttggct ctctccaact tctcatattt gcttctatcc 300
 ctttccatta aaaaagtctg acaagtaaaa ataaaagaaa gctgggtattg tttgttgtaa 360
 tcc 363

<210> 23917
 <211> 415
 <212> DNA
 <213> Glycine max

<400> 23917
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 cctgatgagg ttgcctctta acacgagtag gcttctgatc attggaccaa taacactcaa 120
 aaaataggca tggcctcctt ggtcatgcca agttatgcat taaaaagttg ttgatgatcc 180

ttgtattctt aatcgacttt aagactccct agcatcctta tactaagaca ttaataatag 240
 ttcacaattg caattgcaaa tgtaaggtt aagggtttttg gggcctcaca accataattg 300
 cagtcacct agtcacgttt atcctcgta atttttcaca ataTcaaaga tcttaataaa 360
 actgtaacct tgatcagtgt gatcacaatt atttaaaacc ttcataagagc gcatt 415

<210> 23918
 <211> 361
 <212> DNA
 <213> Glycine max

<400> 23918
 agcttttaaaa gtttggttaa gattatgtta aaacataagc acttagacaa tgaatgaaag 60
 ctggagttgc tgcacatgat gtccaacgtt atgtcaaaga ataagatcgg gctgcacaat 120
 gcacaaggca agatgaaatg tcaaataag aattgaagct gcaggattca cgatgtcgga 180
 tacaatgtcc aggacatcct gctcgaaaat actggaattg ctaaaagcat tgaagctgca 240
 ggatccacga tgtctgatac aatgtccagg acattctgcc cgagaatact ggagttgctg 300
 tactatgcaa gattaaagtc aagtagtgaa gctgcaggat ccacgatgtc ggatacgatg 360
 t 361

<210> 23919
 <211> 410
 <212> DNA
 <213> Glycine max

<400> 23919
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 actctcttaa agatttatgc aataatatgg cttttgtatc catgattgaa cctaaaaata 120
 taaaagaagc cataatagat gataattgga tcattgccat gcaagaagaa ctaaaccaat 180
 ttgaaagaaa caatgtgtgg aaattagtag aaaaacctga aaattatcct gtcataggaa 240
 caaaatgggt ttttagaaat aaattagatg aacatggtat aattattaga aataaagcaa 300
 ggtagtagc aaaagggtat aatcaagaag agggaataga ctataaagaa acatatgctc 360
 ctggtgcaag attagaagcc attagaatgc ttttggcata tgcattccata 410

<210> 23920

<211> 349
 <212> DNA
 <213> Glycine max

<400> 23920

agcttttgctc cttcttataa aaagagaagt tctgaaactc atcatgttat ctaaaaaagg 60
 cattgaggta gatccaagtg ctctaatacat tcattagcat attcatgttt tggcggcata 120
 ctccccactg tttgtttctt tagggaactc accataacta aaaaagcgca aaggcacccc 180
 tataacactc gatccagaag taagatggat aactaagagg gagtgcaaga acagatgaat 240
 gctgacctat cggccttaaa agatcaaagtg gcttctatca cggaggccat gctaaagctt 300
 caaaaaacta tagaagataa tgctactgcg gccgcttcca atacggcta 349

<210> 23921
 <211> 408
 <212> DNA
 <213> Glycine max

<400> 23921

tgtaagtaag ttttatgtta ggaaacaaag tttgaatttc aaagtgcattg tcttggtgta 60
 ttcagaagct aaaaactagg accactcaaa gggtttttgtt tccccattat ttatcagtat 120
 aaaaaaattg ttgaaagtgt atatataatt catgctcaaa tttaattttc atgttcaatt 180
 aaaacttttag tcaacaaaaa ttaatggtga tattttcaat attggaggac caatagtaca 240
 atgaaaattt taagtgtcct atatcttttg taggcaataa ataggatgtt atgtgtctaa 300
 tacttctttt ttaatgagaa cagattcct actcattcca tgaccattga tcaaagaaga 360
 gtttaaataa atttaatacc tcttgaagat atcctttata tacagtaa 408

<210> 23922
 <211> 357
 <212> DNA
 <213> Glycine max

<400> 23922

agcttgaata caatgaaact cgcaaactta gcaaagctaa gattcactca atttgtctaa 60
 gtttctttca tccaatggac taacaacatt acaacacttg ttcatttcgt ctcagaatgt 120
 tctcttataa tgcgattttt ttacatgaac gccttcaagc tttatatata cttcagagct 180

tcaatccatt gagagatccc aactggctgt tgtctaatag ctttagtgct tgacacgagg 240
 tcgttactgt acagagagag tgaggaccac aaacactttt tgcagcatat cttcacagaa 300
 gtacaatttg tcaatgtcac ctagtgtca gagctgatta tcatcgtatg aatcgaa 357

<210> 23923
 <211> 376
 <212> DNA
 <213> Glycine max

<400> 23923

cgtccgcata atcttcgatt ggcttcgaat ctttcatcca ctacatctca agttctcgaa 60
 ccagattcaa agcttgcatc cctttgattt tttcactgcc ttcatactct accttcaaaa 120
 aattatagat cttgtgtgcc attatcatcg acattattct gttaaaaatg actagagata 180
 caactgtgaa caaaattgat ttggctttgg actttcgaag ctttctttct ttgcgacttt 240
 tcatttgggc aacaatgaga ttattcggca aaggaggaac ttcgtaatcc tcttctactg 300
 cttcccatat atcattagca tcaagatatg cttccattat gacaaccac attggatagt 360
 ttattccatc caatac 376

<210> 23924
 <211> 82
 <212> DNA
 <213> Glycine max

<400> 23924

agttgtcaag aatccgagca ggtgctgatg ctggcgtagg caccttacac agcgagaaa 60
 acctaacaga ggcgacactc tc 82

<210> 23925
 <211> 392
 <212> DNA
 <213> Glycine max

<400> 23925

tcactatgag acatgagggg cacttataac ccttgatgtt cacacacggg gtggcggatg 60
 gctcataggt taagaacgct tcatgctacc ctgcatgatg atcccaataa tccaatgctg 120
 aggacgctat tgaagcacca acatttctgt gactaaagag agaaatgact atcgattcaa 180

gatcaagtgt aggattcaga tggattgact tctgatctaa tctcagtact gcgagcaccg 240
 atttctgaca tgacttgctc attataatga tgaacaggac ttctgctacc ctgagttgct 300
 cttggattga cttgaaaacc ttgtgaccac acagatatta cgctgttggtg atcgctcacc 360
 agattacttg cgtcgattac cagtctcact at 392

<210> 23926
 <211> 371
 <212> DNA
 <213> Glycine max

<400> 23926

agcttgccgc ccaactcgcc caggtgagct caactcgccc aggcgagcaa ggttgcttcc 60
 tccagaagca acagccttct ggaggaatct tctggagggc ccaagtgggc ctggttgcta 120
 tttaacacccc cctgtttact aaatgcaccc ccctttctat ttttttgtaa ttctttttcc 180
 atagcggttac gaaactttac gaatttcgta acgataccta ttttccttcc gcaagggttac 240
 gaatccttac ggattatgta ttactcttt tttagctttc aaagaagtta cggaaactca 300
 cggattgcgc aaaaacacct cttttcgatt tccgccacat tacggaattt cacagattac 360
 gcaagcctgc t 371

<210> 23927
 <211> 419
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23927

tctaaactnt atacaagaat gaagctctga taccacttgt tagacaagtg gcctcagata 60
 tcttaagaag ggggggttga attaagatat tacaaactac ttccccaatt aaaattctat 120
 ttcactttct attcaagtta taaattccct taataatgaa cttcttaaatt attgattaaa 180
 atagaaccaa ttgaatatga atataaaaca atgataaata aagaagttaa agggaagaga 240
 aagtgcacac tcagatttat actgggttgg ccacaccctt gtgcctacgt ccagtcccca 300
 agcaaccgcg ttgaaagttc cactatcttg taaattcctt ttacaagttc taaacacaca 360
 aggacaatcc ttcctttgtg tttagaatta caacaagaga ccctcgggtc cttaatccc 419

<210> 23928
 <211> 368
 <212> DNA
 <213> Glycine max

<400> 23928

agcttgtaga atttccagac atgatacatg tcagggtttg gtttggttca agggtaaaag 60
 ggatgccccca cattatttcc atgacacaaa tgcaaaaatg atgatttgga aactttatgc 120
 aaaactgggtc atgcatgcac ctatgtggac actcaagtgt caaattttta tggtcatgtg 180
 atgctagggc tcaggattca ttccatctat tttagtcaac ccaatatttc caaaatatgt 240
 tcttttatcc atttgtgcat tcatccgagt ccattttggg cgtccgggaa aattttcaca 300
 gcattcacc ctcagtgtgta tacacatttt ttcaaaaact agctatgatc aatgaatttt 360
 tttgaaag 368

<210> 23929
 <211> 396
 <212> DNA
 <213> Glycine max

<400> 23929

tcttatccaa ggctcatctt ggtggtgaag ctcttcttcc catggcttat tctctagtgg 60
 atggcgatgc ctcttacctc ttctcctttg tcttccgctg catctccatg gtggaaaatc 120
 accattaaag gacctcattg aagctcaaag atctagcctc catagaagct ccacaagcaa 180
 gcttccatca agtggtgaatc agagcaccag agcttcaagt aggtgctcct taaacctcca 240
 ttaatttttt ttctttacct tcccttccat tgttggtttc tcatttttct ccatgtatct 300
 cctcacatgt cttgttctaa atgttggttaa catgattctt tagagtttcc gccgattaaa 360
 cttgctatag aaactagatt tgattttcta tggttc 396

<210> 23930
 <211> 367
 <212> DNA
 <213> Glycine max

<400> 23930

agctttggat ttcttcactt tagaactttg agactcgggtg tgtattttcc ttaagcttcc 60
 tactcttttt ataggtctaa ggtagcttat ttttttcacg ctaactgtgc actaagcatg 120

cactcctggg cttagcaaga atagtgggtt aatcacgcgc ttaacacggg gttcacgtta 180
 agcacgacct tggactttct cgtgagtctt cttcgtgcta agtgagtgtt gatcgctaag 240
 cgagcacgtg tgctgggcct gtcttgtgtg ttgggcagtt atcaacaagt gtaacacaag 300
 tttatatata ggagtttaag atgacaatta ataaaaaatt aaacatggca tatccacagg 360
 caaaatt 367

<210> 23931
 <211> 420
 <212> DNA
 <213> Glycine max

<400> 23931

tattgaagaa ggctattatg tgcagttgaa ctgttttttt tgtttatgta tgtatatattg 60
 cattgcttgt accaatttgc ttatatattg gcgaagtacg aagatgggtga gtggaaaaaa 120
 ataataaac taacaaataa attaacgagc attaagctga acgcgtgata ggggattaat 180
 gcaccaaagt gtcgaagcac gatactttct acagactaaa catttaatgc ttctaacttg 240
 tctttctatt gcaaagtcaa gtgacgacct tatatgaatt tccaagagca caatattggt 300
 aaccatgcgc ggagttatta taggctccaa ctccatttgt tactcatcct taaaaacgtg 360
 agaagaaacc tttttactcc tcagctctca ctcccccttc tccttttcac ccccatcacc 420

<210> 23932
 <211> 370
 <212> DNA
 <213> Glycine max

<400> 23932

agttttcact cctttgtcat tgtgatgaag aggtgggggtt agggtttcaa agtagggaaa 60
 agggaaaatt tcaagtgaag cgatcacaag ggagctggaa aaagagggtg aattgaaaaa 120
 gaaaaaaaaa tattaacttt tagtttaaaa aaaaattggt gtatgtaatt gtaatttctt 180
 tcccacgata ggagacttac aaaaatctcc cacactagaa ttcattctaca tgccagttgg 240
 tagaacataa agttaaacc aacccatgca tcacgctagt aattaaacca ttatttttagg 300
 cttcaaaaat aaatattttt atttacaat aatattttta aaataaaaac taatcattac 360
 atgatacata 370

<210> 23933
 <211> 422
 <212> DNA
 <213> Glycine max

<400> 23933

ctttgggata tgattatact atcaagtata aacccggcat aggccaatgt cgtcgctgat 60
 gccttatctc gcattgctcc ggcgggaacc tgtttatcat tatcagtacc tcattatgat 120
 ttcttggata aattgcatgc tacactcctg caggatgcac aatatgttga ccttataagt 180
 caaattcggt cagaccccg c ttcttaccct gatcttttgt tgcataagga cctcatcctc 240
 aggcagggtc gtatctggct tccttttttcg acaccctttt cctccatgct cttggaggaa 300
 tttcactccc tccctctcgg cgccacacc ggaatctcga agaccctcca ctgcctgcgt 360
 caaagcttcg actggccatt aattcgagcg gatgtccgct gttttgtttc acaatgccca 420
 ac 422

<210> 23934
 <211> 352
 <212> DNA
 <213> Glycine max

<400> 23934

agtttataga aatcaaacac gataataaat tatectcata ttataataga agcatgtgca 60
 taaataacaa ataagtcata agtcatcaaa acacaaatca tttgtctaag ttagaaagag 120
 tatttggtta gtggttttgt gaagatgtct gtaagttgat ttttagtatc tacaattttt 180
 tttaaataca gttacttttt ttttaagact aagtgcta at tgactaccaa cacttaccaa 240
 gatgagtttt tgtaatatata gaaggttcta tcatatcaaa ataattctgt ttgaaatata 300
 atataataat ttgaaaagc ataaataata ttttgaacaa tcaatcaagt aa 352

<210> 23935
 <211> 414
 <212> DNA
 <213> Glycine max

<400> 23935

cagcttctaa actttatata aaaatgatgc tctgatacca cttgttggac aagtggcctc 60

aaatatctta agaagggggg ttgaattaag atatcacaaa ctatttcccc aattaaaatt 120
 ttatttctact ttctattcaa gttataaatt cccttaaaaa tgaacttctt acatattgat 180
 tcaaataagag caatttgaat atgaatataa aacaataata aataaaggag tttaagggaa 240
 aagagattgc aaactcagat ttatactggg tcggtcacac ccttgtgcct acgtccagtc 300
 cccaagcaac ccgcttgaga gttccactat cttgtaaaag cctattacaa gatctgaacc 360
 acacaaggac aacccttcct ttgtgttcag atttctttac aacaagagac cctc 414

<210> 23936
 <211> 364
 <212> DNA
 <213> Glycine max

<400> 23936

agctttttaga aagcttcgat gtagagtgtg tattgttttt cttccatgct tcagttgtac 60
 atagcttgtg tcttcttcat agatagggca tgcattgatg cccttaacac tatatccact 120
 caaattcctg tatgctggaa agtcattaat ggtacaaaat agcattgcac tcaacttgaa 180
 tgacttattt cgatacccat caaacataac aacccctcgc tcccacaact ttttcaagcc 240
 ttcaatcaag ggactgagat aaacatcgat gccatttcct ggttgccttg ggctcgatat 300
 catcatagac aacatcatgt atttttgctt ggccaagcat tccatcgcaa tttctctgat 360
 ttgc 364

<210> 23937
 <211> 385
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23937

ctaagcttct agctttatag ggtatttgac cttctttttg ctctaaatgg gggaatgtgc 60
 tcgaatatat ggagcaatat tggtttgact acttgcttga ttaagatgaa ttanggggtt 120
 gtatgggatg gccctangcc tataatgcat tttgaaaaca atgggacatg ccacattgac 180
 ccccgctctt tgctattgtt acctaaacgc gcgcccacca agtggttcagt gaaatgcctc 240
 aatggcatta gcgcgtgact tttgtaaaga acaacccatg gtgcattttg gtttggacat 300

agtttctttt tttgggacat gtattcattc ccgaaaaggc tatataattg cccacatata 360
tctcaggcta ggaaccgact tttta 385

<210> 23938
<211> 365
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23938

agtttcacat gtttaagtgg actcattcaa tgaaacatat acttgatcct gaaggatttt 60
cttagtttta aatgatcttt tgatagattc ttgaaatctt ttcataagggt ttgtaagcgt 120
ttgagagaat agataagtta ttgtcgcaac ctacccttca gcgggacggc gacacgtgac 180
tcgctggtgc gtgtcccaag aaaggaatac gcgcggagtc accaccaacg tttatttgag 240
gaaaacgtcg gaaaaactgg aaaagacgtg atctacgaac tcaaagtga aggttcggga 300
attgtattta cgcacggnga aggtattagc accccacgcy tctgtcaca gagacggcag 360
ccttt 365

<210> 23939
<211> 387
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23939

ttgtgtggag cttcaatggt gaacgaggggt ttaacataag cttcgtgagg gagagggaga 60
gagagcttct gaaaatgtgg ggctgagtga ggagagagag ggttgctttt tggttttaat 120
aaaagggtct tctctttntc tattatttta tttaagcaat gccacatgtc tccatttgag 180
tgaggaaga acggccact atctcttttt gactgtgacc cctactcaga cacaaaagtg 240
aggaaaatct gacctttgaa acgctaaaat cctgcctcgg tttgcctgcc atttctctgg 300
tttcaatttc tcgctgtct ctgcgtccgt tcgggccagc tttccaaagc cccactata 360
tatttcaaaa cgctcacatt aaaacc 387

<210> 23940
<211> 339
<212> DNA

<213> Glycine max

<400> 23940

ttttcaatct tgtggcacct ttcattggacg aagaaattca gaaggcaatt tttaaagctg 60
cagcgaagtt ttttatgaag gaaggcaatt cacataagga ttgcatggat taaatggaaa 120
tcggtatgct taccaaaaga aaaggggtggc ttgggcatca aggatattga aacattcaat 180
ctcgactac ttggaaaatg gaagtggcaa ttaatgcaag aaaatggtga gctgtggacc 240
agagtcttga aatcgaaata tgggtggatgg aggaacattg aagaaacagg aaactcagca 300
aagcaatctg tttcgtggat ggatgtaaaa cacactttt 339

<210> 23941

<211> 413

<212> DNA

<213> Glycine max

<400> 23941

tcagaacaca gcatcacaga atctaggtgt ttaacacccc tccattcaat gggttttcta 60
ggtttgagaa gtgaaattga gaatgaggta aatttgaagc agactctcac ctacaccag 120
tccataacat caatctaaac ttgcccaaatt tggatttaca cctaaaattc caccgaatca 180
aaatttgact cttcaacacc caattttgcc ctagaatgg ctctttattc actttggtca 240
tttgtttttc cctctagcac agcctaacct ttctcacatg ttctaaatga catttcaagc 300
taggattaac tcattttaat ctccatttac cacagaattc agacttagcc tttcaactct 360
caaagcctca ctctttttcc actcacaaca ccacattctc actttctaac cct 413

<210> 23942

<211> 359

<212> DNA

<213> Glycine max

<400> 23942

agcttgccgt tttatctgac ccatgaactg ccctaactcc tttagactgg aggtccctaa 60
gctcttgacc ttgacttgat agaacctttt tttaagcgaa ggcgtttgac ttgatcccat 120
gttttactaa agtgaacaaa aatttagtgc gaatcagaac tccgacatcc atcatgggtg 180
gaatggatga atgcatgaag aaatgcttat gacatacatg caatctatga atacggggagc 240

ccgggaaatt gtctccttct tcgatacaac atcttgggggt agcaaagtgc ccgacgtatg 300
tatttaagaa agtgacacgg accctccgtt ggtttgccaa agagagtgga tcaaaacat 359

<210> 23943
<211> 419
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23943

taaagcattg attngatact gcttccctca tcatgtggct tatgatgtat acaatttaat 60
gaccccttgc taccctgcta tgagacacac acacatagag acaaacacac gcagacacaa 120
acacaaacac aaacacacac acacacacac ataaagatac acacacacac acacacacac 180
agagacacgc acacataaag acataaacac actgaaccac agacacacac agagacccac 240
acacaaagac acacacactg agtcacaaac acacacatac acaatcatac tcacacacat 300
ggacagacac acacacacat aaagagacaa acacacacac acacacacac acagataaag 360
agacaaacac acacacacac acagttacca catataaaga gacagacaaa cacacaaat 419

<210> 23944
<211> 261
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23944

agctattcaa gcttcanaat tcaatttcca gcgtgccaat caataatggg gctccatcat 60
acatccgtgc aaaactgatt ttgtcgatgc atcagttcag agcttcataa ttccatgttg 120
atcgccctga cttatgccag gattcattta gacatgcgat aataatcgat actggcgctc 180
gaatgggtta gcagacccac atttaattta agcggcacgg agagatcggg actcacacta 240
aactccgacg ttaaagtatt t 261

<210> 23945
<211> 409
<212> DNA
<213> Glycine max

<400> 23945

tcagaattca atttcgagcg tctcaataga ttacgggact caatcagaca tccgagcaaa 60
acgttattgt cgtttggatt agctcagagc ttcagaattc aatttcgacg gtctcgatat 120
attacgggtc tcaatcagac atctgaggaa aaaagttatt gtcgtttgaa tttgctgaga 180
gcttcaacat tcaattttga gcgctctgat gtattacggg acttaatcag acatccgagt 240
taaaagttat tgctgtttga atttgctgag agcttcaaca ttcaatttcg agcgctctga 300
tattttacgg gactcaatca cacatccgag taaaaagtta ttgctgtttg aatttgctga 360
gagcttcaac attcaatttc gagcgctctg atgtattacg ggactcaat 409

<210> 23946
<211> 354
<212> DNA
<213> Glycine max

<400> 23946

agcttgtggt catgggagca gataactagg tggataactt taaagaatct tgtggttatgg 60
gatgttcgga cacaatgctc taataggatg tgacattgga gcatgagttt gcgtttcaat 120
tgcacatgtg tctaagcata ttgttttact ttattttatt ttgctgttta atttgagtgc 180
ttttgtaaac ttggacggc ttgttttgag ccggagatgt ttttaataag ttttatttgg 240
taaaagtga tcaaatgtga ccgttttacc catgtgaatt tgtttaagtg atttgaataa 300
aattgattta attaaattct gcatttttat atgagtttct tatttatatg cata 354

<210> 23947
<211> 409
<212> DNA
<213> Glycine max

<400> 23947

ctgtcatgga ggctactgct atttatcctg atcatgtctg tctatgctcg gacttatctg 60
ggggtccatt attgccattt cagtgaatta tgctctctag gtgtcgcagt tctttaaaac 120
cacatctctt tttgcttttt atatctatgg ttgttggtgc tctcaaaccg tatcaataat 180
acaaaatccc gttgaattga tttcattctt ttttatacat cttagattga ttttaagaag 240
gttaattgaa aatgggattt ggaaaaatga aagatacggg aaagatatag gcccatatct 300
gaaatttctc cttagctga tatcccaaaa gtgaaaatgt aagaaagtac ctacaccaaa 360

gagtcattt gtacactatt taagttaatg ctatgttacc ctttatctt

409

<210> 23948
<211> 323
<212> DNA
<213> Glycine max

<400> 23948

atgaaatagt atcttccctt cttgccacaa tccttggtga ctacgagcat gaagagctcc 60
aatgaatgtg atgtcattat ggatgacccc tagtgcttcc atatcttcag agatgcaatg 120
ctgcctcacc atgaccatgc atggcgaaac cagatatcat ggcattttac attgaaacat 180
cacggtccat ggccgcagca agcaaagcat ctatgtctac acacttggca tacgtgtcca 240
ccaaagaagt cttaagaata ataattccct taattccttg cttgtctatg taagaatgga 300
tccacttacc catttcaagt gat 323

<210> 23949
<211> 440
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23949

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gagtcgcaa ctgtcgcaat atgccctttt gcgggcgagc gaaggcgtgg ctcacgggtg 120
cgctttccaa aggaggaaag atgcgcggag tcgccaccaa cgttttatttg tgggaaacgt 180
cggataaacc gatggaaacc ggtcgaaata aaaattctaa gttcgggagt tgtattttacg 240
tttgaggaag gtatttgcac ctcttacgtt tgtctcaaag gacaacagcc tatttttcag 300
aattgtggaa atggtgttat cttaactttt agttcttttt attttttgag gtcgacaaaa 360
gcggtgctct tactcctacg taccctccat cgaagaggan atcagaccta cgtagttctt 420
tcttaagggt gaatcacacg 440

<210> 23950
<211> 415
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 23950

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aaacgaaaat ggcatacgac ctcccccaat aacacagaca tcaatgtaaa tttagaacga 120
actcatgcac atatttcctt tcgaacattc actcgacca gatattcttc taactaagaa 180
aaatgcaccc aggcacaatc aaagcacctt cgttacctag atcactcata tgtacttcca 240
agggtgtattt gctacctaca tcacatgcac tntctttgct aaattttacat acatgcatag 300
ctcaagcatt ttggctacca aaaattgcat acgtgcacat tctgggtattt ccaataccta 360
tacatataca aactttgtga tgaatcttgg ctacctgcac aataagggtgc tacat 415

<210> 23951

<211> 433

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 23951

aaaactcacg ctntcgagaa attcaaacgg ccataactgt gcactcggat ttgcgataca 60
tgcacattaa atatcgagac gctcgaaatt aaacaacgga agccctcgag aaattcaaat 120
ggtcataact tttcactcgg aggtccgatt caagcatata atatatcgag acgctcgaaa 180
ttgaacaacg gaagccctcg agaaattcaa atgggtcataa ctattcactc ggagggccga 240
ttcatgcgta taacatatcg agacgctcga aattgaacat cggaagccct cgacaaattc 300
aaacggtcat aactattcac tcagaggccc aagtcaagcg aataaaatat ggggacgctc 360
gaaattgaac aacagaagct gtcgaaaata caaatggcat cactattccc tcggaggccc 420
gatcgagcgt ata 433

<210> 23952

<211> 293

<212> DNA

<213> Glycine max

<400> 23952

atgggcgacc cgaaccaaac atcaacttga caacatgctt cataacacaa aagctgtatg 60
gccctcgact tgttacaccc tgacaccata atgttatcat cacgagacct tttatgccaa 120
catggaagaa gacatgttgg ggtgacctca acaaattcat tatcagtata ggcaaacata 180

tcaggagggt gccccctttc taccatgggt gtgtcgacag cagacgatgg cacaacccta 240
 tcatcatggt caacctgctt gaccaagggc ctccaagaga atccgccatt ata 293

<210> 23953
 <211> 556
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23953

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 cccccagca ggggcgcttg aacctgttg agaccataga acntcagaac actcgatgaa 120
 ctcagcctat gtggattcta tacacagaaa gttctcagc ccttagattg tgctgaacaa 180
 aattacaaga ggtaactctc tcggacgctt cttgacatac taacattagt tttacgcctt 240
 ttctagacga tcctctcaca ttatcaatgg ctctctattg ccatacacgg acagtatcta 300
 acagcaatgc ttcgatattc ttttcaatac acttttatac taatccaaat aatcctttac 360
 aagccttgaa tcgatgtaat cttcttcggt ttatttgac caaaagcatt ctaaagggtct 420
 ctggttttct aacnctcgaa acatgtgcta aacatcttct ccttactatc tccttggcca 480
 taaaaatttg gcaagactaa cgtctaaaac tgctgtttcc caatctccct tttcacaaaa 540
 aaatgactac cgcccc 556

<210> 23954
 <211> 563
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23954

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 nncccaggag caggcctgga gcgtgttgat accgtagcac ctcagcgana ctatagnaaa 120
 ttcccggccn ntggctctct gttggatcca cttgtattaa cttcctttcc gtttccacaa 180
 ccacaacact tcgagggtctt cgctctcttt cgaagaagct gcacgtgtca gtgttgctgt 240
 cgctcttcac gtcacctcct ttggatgaag cctcaactat cgctaccgaa agttccttca 300
 gtttttggcg actctttatc cccatatata cttctctatc gaacaaaaat aatatcaacc 360

gctctgtcac caataagttt cgataactca tggctaaatc catcacgttt catagatagg 420
 taaacctagg ggaagacacc ctaaagaccg gtcaaatact caatcttcta actcctcttc 480
 taatgaaaag cttctctctc tccctaatat atctatcgca atatgctaca acgagacata 540
 ggtgtgatta tctttgacca acn 563

<210> 23955
 <211> 396
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 23955

ccagttatgg agagctaaat cctctgttgg ttcttctttg taagtacttg atgtaaatat 60
 ctgtatatct atttaatgat gttttgtgtg ttcactatgc tatcagaact tcattctacc 120
 atgcttttga cttgatcatg tagatgcatg tgtttttaga atcattcaac agtggaaaat 180
 ggtctgattc ttagaacttg ataggacggg gctagtttat catattatca caagggatcg 240
 aggtatgata acctagtggg tgtatgntg gcttaatgcg gttctaagtc gatttagttc 300
 aacaagagga atctaacgac gatgcttgat cgggattatg ctagactatc atgatgaatt 360
 cgggtagca ttgcaagaga caccatagaa cacatg 396

<210> 23956
 <211> 427
 <212> DNA
 <213> Glycine max
 <400> 23956

actaccaac acaattcaga tgggaatttg tttgttatta aaatataagt aatttacatg 60
 taagataata tatatagcca tggcactaga aatcaaactt taaaagtata agaaccaaaa 120
 ctataataga aaagaattag ggtaggtaga aaaaatatat tagaatcaaa tatatgtgtg 180
 tgtagtttca ttacaccaat ttaaatacaa tatcttctca aatgattaaa tatttttgc 240
 aagtattttc acatcaaagt ttcattaatt cagaccaacc tcatggagct acaggtacca 300
 tcttgcccga gcagtatcaa acccaataga ataatcatgt tcctgcaaag caacacattt 360
 agactttatc ataattttc aagtttiaca ctaataaata agaaagatct agacatgtga 420

cacaata

427

<210> 23957
<211> 458
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23957

tgtcagagtt gcgaaccaga ttgctaagtg cacctgctgc atttgcccta ttcttgtctt 60
cctctgccat ttgtaacaaa ttgccaatt gaggaataga ttctctcagc tcttcataca 120
acaagtcatt gtggtaggcc gcgtttccaa tctgagttca agtatggtag agcagattaa 180
aagagaggtg aacaaagaag aaaatgtggc atatataggg tatgaaaaag cataagcatg 240
acatcagttc taaaaacgag aaggataaat ttgtgctaga cacatctctg taaatttgac 300
aattaaaaag taaagtattt gccaaagtga acattaaata caaataattt attgcaaaaa 360
ttcatcagat gcagtaacaa taataactag tagactggca ttttatnta tnntttattt 420
atgttcacat ccatactnt gnganatcat ataccaca 458

<210> 23958
<211> 456
<212> DNA
<213> Glycine max

<400> 23958

tctaagaata gccttgataa ctctaacatt atccatataa gcttccccta ttaagattgt 60
atcatccgca aactgaagca tgtttactgg gaccttattc tttcctacca aaaagctgtg 120
aaagaagttt gtagagactg cttccctcat caaacctgat aacccttcag cagccaaaac 180
aaataaaaaa ggggccaaag gatccccttg cctcagacct ctttgaggct taaactcctc 240
agttggacta ccatttaciaa ggatggatat tgaagctgaa gaaaggcagc ctttaaccca 300
accaatccac ctttcatgga acccattct cctcaacata tagaaaataa attgccagga 360
cacagagtca taagctttct caaagtccac tttaagcact aaacacgatt tcttttgcct 420
cctagcctcc tcaacaacct cactagcaat cagaac 456

<210> 23959
<211> 404

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23959

ntgagccaaa atcctgactc accatatatc ttgacctatt gtgagaatgc caatccttac 60
cctcggaagc aaaaaagaat ggaaaggaaa ttttcaatca aagaaaaaga gaatgaaaat 120
ttccaatgaa agcaaaaaag aaatgaagga aaattcccca atcaaagagt gggagaaagc 180
aaaataaagg aaaagaagga aaattcccca atcaaagagt gggagaaagc aaaaagaaaa 240
gaaaggaaaa ttccaatca aagaatggga gaaagtaaaa aaggaagaag aagaatgaaa 300
gaaagctcct gatcaaggat cgaaagaaac cagaagaaat gtgcagagag gtctttggac 360
cagacaatat ctgaacagta cagaattgtc accaaatgaa caaa 404

<210> 23960
<211> 424
<212> DNA
<213> Glycine max

<400> 23960

gtgttaacga gatatttgtg gataagttct tgattaagcc taacaacaat gacatcaatt 60
gcctgctaca aattggagag gcgcggtggt ttccaagttt gttgggttct attgattgca 120
tgcattggga atggaaaaat tgtccagttg catgactaga ctaatatcgt aaaagtgatc 180
attgcaaacc cacattaata cttgaagtcg tcgctgatcg aggccgtacc cgaatcaaatt 240
aaacattata aatgtagtat ctatgaagtg atcctatgtc gtctcccaac gagcaatgat 300
ctactcaacg ttcataacaa atagtaatag aacagtacct aattgggggg ggtgtatgct 360
ttcggatatt aatagccatc caatttgagt tagaaaataa ccatttacia catgttggtc 420
ccct 424

<210> 23961
<211> 412
<212> DNA
<213> Glycine max

<400> 23961

actccgctta taataatagt gggttataaa atttagagtt ccctattgca acagagatac 60

tgctttgcca tattgagcaa acatcaaaga gcctttaaga cattggaatt gcttaacttt 120
 tcctccactg caagtcaacc ccaccctgta tgtaccatat aactcatctc aaccgaaagg 180
 aaaaaaatag tatagagtgc ggatggatag agagaaatgg tgtttttgac agttctaaga 240
 cacagtttca tggatactac tactactacc ttggctatta atgttgcagc ctgtctactc 300
 tagagggaga gattccctca tataatggcg gtggctcttt ctgggttctc tatgacaacc 360
 agtatcgcca tcatcatgcc caacctcggt cttgccctat tgccactctt ga 412

<210> 23962
 <211> 438
 <212> DNA
 <213> Glycine max

<400> 23962

tgcattgtatt acattattcc cctttctcaa gcaacatttt tcttgatata atcaaaatct 60
 tcatgatgta cattctcccc ctttctcaag caaattcttg ttgacatcat caagatcttc 120
 atgatttaca cactttaatc gattacttag ataacctaat cgattacttc attgaaataa 180
 tcgataatct tatagatgta attgattata ggcagttata actattttct ctataaataa 240
 ttagttggcg ttcacatcta aacaatctag aaatcaagag agcattagag aatactcatt 300
 acatctcgaa aattacttct tagcctcaga atgagcaaga ttttgtgctt tcattagtga 360
 acaagagaat agaagacaat agctctatag taactcacia tttcttaatc tttcgattcg 420
 gaagatcttt tcttgaaa 438

<210> 23963
 <211> 432
 <212> DNA
 <213> Glycine max

<400> 23963

tgcattctga gcatgtcact ctaactgcat gtgaatgtga ctgtgccgag cccttctcaa 60
 cttgtcacgt gttgaatact ttggctcttg accgttgtaa cttgcatcat ggtgcaaaat 120
 tcctctgcat atgtaattcc aacctttcta gtttgaccat aggtagtacc actcaagaaa 180
 ctcttacaa atttgtgctt tctactccga atcttagatc tctttctgtg atgcgcgatc 240
 ctattcacca actctctgca tgtgatcttt ctttcttga acaagtaaatt attgacgttg 300

aagcctat ttt taatgctcat tttcaaagga cacatttagc ccttataagt ttgctgcaag 360
 tgctcgaga ttatgtaaag actatgatac tctcttcaag tacccttaag attctaaatg 420
 taagttactt aa 432

<210> 23964
 <211> 438
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 23964

ntgaagaacg attatgctgt tcttgcataa catgccatag aagtgcacaaa tataatggat 60
 agtactaagt agtagctctt gtactcaaag ttctgttgcc attacattag aaagagttca 120
 tgaaaaatta acaaccatat ataattaagg agcaactttt cagcaactca aagagagaaa 180
 taacaaagaa aagaagaaac cagcacaagg ctctgctcca ttcattaggct tactttttctt 240
 aaaattctcc tcaattctac attgtaatag atgacttttt ctgttttcag ctatatttca 300
 atataaatac tattttcttc atatccaaat tctgggtgcct atcagattta tctattcttc 360
 tgtccagcta tagatttgaa caaacagtgg catttttttt gtacataana tagaatcttg 420
 aggctcttac agaagtat 438

<210> 23965
 <211> 393
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 23965

ctttttcaaa gccaacgatg gtgtttattg acatcactac aattatgcca tagtaataaa 60
 gacttgatt ctcacttcac aaaattgtca caaatttgac atatatcaag cacattccta 120
 gcaaaatcca aaaaatagtg ctgttttaca gatatagcac tctagcctaa gaaaggaatt 180
 gaaactcgaa tatcangttt tgagtatctt tgtgacataa ggatagtcac actatagaaa 240
 gccaaaatgt atttatgttg ttattcattt tccacaatga aatacatcta ttaattctaga 300
 tgcagttatt aattttgcat agaatgtaag aaatcagggt caattttact caaaccatca 360
 cgatgggtcta cagaagtgc ctttacctga aaa 393

<210> 23966
 <211> 459
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23966

actcaagctt attatctaca ttntcaagga ttaaaacctt tacatgaagc attagttttc 60
 tattttaaga aaatgtctta taattaatta gcatttcctt taatttttat aagacaaatt 120
 atttgacaat taatccttgt ttttcaagac atgaaattaa gaatagtata aaagcttata 180
 gctacatgta ttttattggc tcgtattggt ttaattttga ttttcaaaga taggagaatc 240
 atactatgtg ttcttccatt atatatatat atatatatat atatatatat atatatatat 300
 atatatcttg atgttacctc tgattgatgt gaagtttacg tcttgtctaa tgccttatgt 360
 ttgtgtatga atcagcttca cacctgcata tgaactacgt attttntttc tgtgtgtgtg 420
 tgtgtgtgtg aagcagtttc ctcaacatgt atatatcat 459

<210> 23967
 <211> 450
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23967

ntaagtttgg atatggggtt aaacattcga tcttgaagat tattttattg ttgctgcttg 60
 ctgattcagc acgcaaagt tactcaagtt aatttaattc tgtgttttgg gctattgccc 120
 ctttattcca gaaaagagtt aaatcaacaa caagaaatga aagtacacta acactatata 180
 aaggaccttt ttactcaaatt tgtattacac tgcattctga aggaatattg aaaaaattgt 240
 aaagatagtc atatcgtgta ctgacacaac ttcaaaaaac ctgatggagt atacaatttg 300
 taatattttt caacatgaat ttaatgatta tgaagaaatt tgggtgatat ggtctttaa 360
 gtaaaaactc tcaatttagt tctagtttat atcttgggtc tgtaatacag gatgatgggg 420
 aaagtgaagg ggatgtgaat catcacattc 450

<210> 23968
 <211> 440
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 23968

tgaggganaa cttgatgcct tggtaacct agtaactcat ctggcaatga ataaaaaatc 60
tgcacctgtt gcaagagtcg gaggtctatg ttcttctgaa gatcaccata cagatctttg 120
tccttctttg cagcaatttg gaatcaatga gcaacctgaa gcttatgctg caaacattta 180
taatagcccc ctcagcagca aaaccaacaa cagcaaaata attatgatct ttcaagcaat 240
aaatacaatc cagggtttaag aaatcatcca aaattgagat ggacaagtcc tccacaacaa 300
caacagcttg tccctccttt ctagaatgct gctgggtcaa gcaagccata tgttctctct 360
ccaatacagc aacaacaaca gtcacaacta agacaacaag caacggaggc tcctcctcaa 420
ccttccttag aagagttagt 440

<210> 23969

<211> 455

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 23969

tctcaagggt cagccttagc ggcaccatac acttcagata atacactaag tatgggattt 60
gccgtaacga aatgcgctta gctcaggtaa gcttggctta gcgtgaggct tccaacaaaa 120
aatttgacta agttacctgg gcttagagat tcagcttcgc ttagccatat gcattcttagc 180
gtggtaggcg cgcttagcga gttcttccaa gaacgcgtat attcaatgaa tactaatgaa 240
ctctcttagc gtagcatgct cgcttagcaa gttcatcgcg ttttccagaa aaaacgcaga 300
aaacacagtt catcttcttg cacttttttg agcctctaaa aggcaaatca aacatgcaaa 360
ccaacaaaa tgacttctac agtacaacaa tatataaagt cctaattctt aactacttct 420
aanaacattc aaaccttaag aantctaaag taaat 455

<210> 23970

<211> 439

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 23970

tcacataata naataagcaa aacataatcg actattgtct gtggactgca acattcaagt 60
ggactcgtca tggtcatccc atatgggctc cttcctgaag atgatctccc acacatgttc 120
gttaggccgg taatagaaga caacctcatc tccacccatc aagtcattgt ccgtaagaa 180
tctgtgccaa gggtcaccca catattgttc accattatgc atggagatgg tccatatgtg 240
acgaacgcca ctcgtatgtt gcacagtcac acatgggtctt gaagcatcaa caaatcgat 300
agcctcagta ggcaacaact acaggacaac aaaggaagtc acatttcata ctattgttga 360
caacaaacta cgacaacttc atcatatgca taaagtctgg ccaatgctgt aagggtggag 420
atgataccat cggctacat 439

<210> 23971
<211> 438
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23971

tgcattcttct tgaacattct agatctacat tntagatcta aatatattag agtgacttga 60
aaaaacgagt tacaaaacaa gctatctttc ccatctttgt aaccgggac tgggtttgat 120
ttctttgtaa cattattccc catctttaaa gtgtcttgta actttccaat ctagctagat 180
ctattgattt cgtttatggg ggtttgcatt atgaagataa ttagactgga actcaagata 240
gaggaagggg acaccgtcac aacattctca acgaagatat tcatcagagt gaaatctgga 300
ttgaaggagg gaaagaagag gtttacgac gggatgcatt ggaactccga caccgaccgg 360
tggtgcatga tgatgatgat gtgtctggac acaaccaaag aaagacagct tgtggcgttg 420
ctgccagggc attatgac 438

<210> 23972
<211> 423
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23972

tgtagaact atcatcacat gacgctttat tggcacataa taagttgctt tctaggcaac 60
ttgagatttt aaaagaaaca ctgggtaagt ttccaactaa actatctatt ggtcaaccta 120

cacattcttc tattttgcag gttacagggt gtaccatattg tgggtgaggct catganacag 180
 gccaatgtat tcccattgaa gaaaacactc aagaaattca ctatatggga aatcaacaaa 240
 ggcaaggata tactcgggga ggattctcag gcttccagta tggtccttat aattaacaag 300
 gacagtggag atcacacctt ggcaatcaat tcaacaaaga ctaggggtgga ccttctaaca 360
 agccaatccg tcaagggcct aacatctttc agaggactac taagctggag gagacattga 420
 ctc 423

<210> 23973
 <211> 378
 <212> DNA
 <213> Glycine max

<400> 23973

tatatgcatt cggtgacaat ttaaggtctg catattttta atgagtaatt tagctcacia 60
 atatgcaagt attataataa attagtgcac ttacaaatta gtgcataaca tacataactt 120
 ataacaaata atcggattaa tttatcataa tatttatata tttgtgagct acattgttca 180
 ttttaaaaat ggtaaaacta aattaccagc aaatgcatac ttaagaacta aataagctag 240
 ttatttatat ttttattcat aaaagacggt cctatatata acaatactat atgaatatag 300
 cttaaaaaat gaacattggt aaaagtctat gatacaaatt taataaaagt tatttattat 360
 tggaaagagc taatattt 378

<210> 23974
 <211> 438
 <212> DNA
 <213> Glycine max

<400> 23974

gtctatttat tactctatgc atgttttata actctcattc gcatatacgt gtttgcgtat 60
 gtgtgcatat cacgtgtgac tacatgttgt actttataat gcgcaggatg tacgattcca 120
 taatgctcaa tgtgtacgta tgatgtgttg gggatcattc aaattacaac tttaatttgc 180
 acctgtgaca tccttgtggt tctactagcta gacaataatt tttggtgtca acgcatcatt 240
 gaacgagtct tgaacatctc acacacacaa aaatacaaag aaccctctga ggaaaggaat 300
 attaggaata atgtatatga gagacagata cagctgaaat tgagaggggac tatataaaat 360

aaagtgttaa taagtaaagt tcagtaattg cttggaaaca taaactacag tagcaagtga 420
aaattgtagt ctgactta 438

<210> 23975
<211> 407
<212> DNA
<213> Glycine max

<400> 23975

actcagcttt ctccagtcca aatgacttca agctttatatt ttcacttaac ctccattacc 60
acagaattca aacttaacct tgcaaccctc aaagcctcac tctttgtcca ctcgtaaac 120
cacattctca ctttccaacc ctaggttaac tctacacttc atctctaaca gttttccatg 180
ggcaatttca gcatacaaac atcacaaca tcatcacaaa accctaaaat agaatgggta 240
tgtctaactc aaccaaaccat ggtaatttca acaagctttc aacaagtttc ttcacaaata 300
actatcatga agcagaaaac tagcaagact acccatcata tctcccaaaa cctcataccc 360
acgaaattta taagagaaaag aagtccaccc aaacctgaaa tttcgaa 407

<210> 23976
<211> 457
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23976

cttataagaa caaaattgcc ttaatcattt ccanatatgc atgtgaatta agacgcatca 60
acaagaatca agccaaggct attgtgcaag caatcaatgg ggcaaaacac accaaatgat 120
tataatgatg gatgggtcaa attctcacia aggtaaaatc atcactttca aattgagctt 180
tcaaaactat catgacatgt agagaagaat caaggatttc aagtcacaaa atgtcaagaa 240
cttttatattt caaaacaatt acccatttct tgaacatatc ctataattca aagaaaaaca 300
tgcaaagtcg tacgtgcaca caaaattgac ccaaaatatt aaactgaaaa tccgacgaaa 360
ctaacaacat taacaaatta acacaactaa caaattaaca naaccaacat aactagcaaa 420
accaaagaac actccctccc cccctctccc atactta 457

<210> 23977

<211> 406
 <212> DNA
 <213> Glycine max

<400> 23977

tgagatgagg aagtgtataa ggggtgaaact tcttgctttt attcgttgac cacagagtgg 60
 tacctggaga tatgtcgcgg gggtcaggag accttgggga cgtcatgtgg ggtgctattg 120
 cccaaaacca agcttgacca atcccgaccc aaccgggca tagtcggtca gtgagaacct 180
 gtgatgtacc taagcaggcg agtcctggc agtcaacaaa taaaaggaac aaagaccaca 240
 cagcaatgag gcttgtgtgg tggttggcca gctgtgaaac ttgattgata tatgggatgt 300
 ggctctggt aatcgattac caagggtgga taatcgatta caaggcttaa aaatgaagac 360
 aggaggctaa gatggtctct ggtaatcgat taccacgctt gaaaac 406

<210> 23978
 <211> 454
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23978

tcttatccaa gacactctct tgggtggtgaa acttctcctt acatggctta ttctctagt 60
 gatgatgcct cctctcactt cttctccttt atcttctgct acaacttcat gggtgaaaat 120
 caccattgaa ggaacttatt gaagctcaaa gatccagctt ccatagaagc ttctcaagca 180
 ggcttccatc agttatcaac gggttttttga catgaggcac aaagatacaa gtgttgacat 240
 catagatatg tgtttaaaat aagttgtata cttgtaaaaa ttatgtaagt caatcgtgta 300
 gaagcaaagc ttcattggtga atcanaggtg attcanaggt gttttgatga taacaatgat 360
 gataacaaaa gatgatgaca aaggagatga caaaagctca aagatcaatc aaagaacaac 420
 tcaagggaat catagatcaa tcaaagaaca actc 454

<210> 23979
 <211> 288
 <212> DNA
 <213> Glycine max

<400> 23979

ttttctgatt attttattac aatatagttt ttgattataa tattattatt ttgcctcttt 60

ttggtatcag acatgggttat ggcatgatag atcgggtcgga ttttattcta tcagaaatca 120
 aaagatgtta caactcaaat gatcgcgggc aatacathtt attgttatgc gagaccatga 180
 cttagatatc tgactacagc acgtcaaaag ggggtacaga acgcaaaccg tataaaaata 240
 tcagcacgcg aaacaagtgg ggaccactat gggtagatag aatgaatt 288

<210> 23980
 <211> 434
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23980

gggactataa gaagggagag atcagttgga agactttgtt ctctggacaa gtcttagaga 60
 ttcaagccta taataaaatc tatctgttga attttcatga actttgtctt aatttacttt 120
 agacacaatt tgaagcaaca ttcatgttga agaccttgag agataaggtc agtttaaggc 180
 ttatctatga caaacaaggt gtctgtcttg ttttgcgagc tgtgtctggt agtgcattgt 240
 tttatttaat tttttgcttc tgtggttttc aaattcaaaa tacggttaca ttntattaaa 300
 ctagagagat tttnttttca accatgtata ttataaaaat ctatcttcat tttctaaagg 360
 cctaagcaaa atagagtggg tgtagtanag acattngtga agtatgggaa aagtgttgta 420
 aagaaaattt tatt 434

<210> 23981
 <211> 449
 <212> DNA
 <213> Glycine max

<400> 23981

ctaagctttc taagtgaat cagatgcaac catctcccta agagtccctc cagcaggtgg 60
 aggttgagcc atgttctcag tatgaaaatt agtgggtgaa tgctcaaat cagaatattc 120
 agaatcacc ctaacagaat gctcaaatg ctccaatgc atagaatgac caggatgcac 180
 atgatgcta actaatatat gaaaggctct atctatttca ggatcaaagg ggtgtaaatc 240
 acctggattg ccctagtca tgactatat gcaacaaata atgtgtttct caataaacac 300
 ctaacaaggg ggtaaaacta cagctatact caaacgatat taaaatgagc tgagattttg 360

tgaggaacac cctaaaatca tgaaaagata gcacaaaaaa tctcaaaaac aaaattcaaa 420
gtctaactat gaaaactacc taagcaaag 449

<210> 23982
<211> 274
<212> DNA
<213> Glycine max

<400> 23982

gggaagcttg aagttaactt cccacacccc ttttattact tagctcacct tcttggaag 60
ctttcttttag aagaattctt aagaagcttg agcttaactt ccccttcctc tttaatagct 120
aagctcacct tcttggaag agaagcttga acttagcttc cccccccta ttatagctta 180
actcacccc ctggccaaaa atatggaaat accaaaaaaa aaggctcttc taccaagaat 240
acttcaaag gcccataa ccaggcttaa accc 274

<210> 23983
<211> 426
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23983

ntanaggatg ttntatcagt acaaaaatat atgtgttttc actggttaatt gattacaaa 60
tattgtaatc aattactaga gatacattac cagagacaaa ttacataaag gctttttcaa 120
aaagaagttt ctcttttgaa atttgaattt taaatgctgt aatcgattac cacttgatg 180
taatcgatta cctgtgatga aatttcagaa gttaacattg aaaagtcgtg acctttcaaa 240
acataactat gtaattgatt accaagaagc tgtaatcaat taccagtgaag agaatttttg 300
aaaaatattc tgaaaagtca cgtgtcttca aaagttttg aaaagccacc aaggacctat 360
aaatacgtga cttgtctacg aaaaacatta gagtntttca ttagaacctt agtgacatat 420
tctctc 426

<210> 23984
<211> 529
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 23984

tgagttgang tgacncntt ttgaaacctg agacnntcga gacnccanng anaactaagc 60
ttttagactt attcgaggct taagtatatc gtagtgagtc tttatctctg tgtacatata 120
gggtcaaagca ttgctctgca attcatgtaa tcttaccagg taccacaact cgctgacaat 180
agtctgtcca tttactggcc aaatagatga caatgtgtat tgaacagata ttactacgga 240
cacctttgag ctcagcaact ttctttcttt cattgagact attcattagt catttgata 300
tctcaagcgt gggaagatac tttatttgca tttgtgtgtc atccagcggc aattcttcaa 360
gtgactctgg cgccaagaga gcgaacaaca gaccaccac tgcattgcgc cactgtgcag 420
cactctataa gggacagacc tttgatcact tcatacaata atccacttgc aaaaagatct 480
cctgccccctg tgcattcagtc gcccttgctc tctaatgcc ggaccact 529

<210> 23985
<211> 436
<212> DNA
<213> Glycine max

<400> 23985

tgaagggta ttgaccaga taaaacctga gtcattctct caggaatccc caaatcaac 60
aacaaaacag actgtggctg actatgcctg gtcaatacaa actctcctgg ccttagaaga 120
cataggcctc accagagtac caaattggc caaaaagacc tgggcaaaaa tggcttcaga 180
atcagacaat gattctgaaa cagacctaca aaaacaaatc caaaaagcca aacagacca 240
aactgtctgt aacaaaaaac caagccaatc gttgactcaa caagaatcaa caccacaacc 300
cagcaatagc tatatttcaa aaaacaaatt cttcaatgtt ttacaaatgg aaccagaata 360
ctgagacaag aatcctttca aggcaaccgc caaagtattc ccccaggat tccattatag 420
gccaacagcc acaaat 436

<210> 23986
<211> 331
<212> DNA
<213> Glycine max

<400> 23986

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ttcaaccatt ctagctatac aacctctagc tgattatcct tccccatag aaatacctca 120
 tgctagattc agctgatcca cctcacaac ataataaccc ttctaattggc tcacctgaat 180
 acattgagtt atactcaacg ctattccaat atttcgatct gactcgatct ggaggacgtg 240
 gtgatgggag gacagattct agctctgtta gctcttgaat tgcctctaag aactggagtt 300
 atatgactct gacccaatac tactagagat g 331

<210> 23987
 <211> 436
 <212> DNA
 <213> Glycine max

<400> 23987
 taccagttac taatagtcaa ggttaattgt tttctttttt ctctagggtt tagtctttgc 60
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 gtcaaagggtg attagttact ttagcctaca tttggagctt tcaaaccatt ttcttgcatt 180
 ttttagaact tatgggtctaa ttcctttgtt taaatgcaga taatgtttat atatgtggat 240
 attaatacgc agaacccttg aaagcccttc ttaacattgt ttggtcttga ggaatcaaaa 300
 aatactgtgg ttagtattatg agttaataac agtgatttgt tcagattgct taattagttt 360
 agatattttt ggcaactgat ttgatttact tcttgggtgtg ccaaatacgt aggcgcgttt 420
 gataattaat gagctc 436

<210> 23988
 <211> 245
 <212> DNA
 <213> Glycine max

<400> 23988
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 ctcaatcgga cttgcgagtg aaatgttatt gacgtatcga atttgctacg agcttcggct 180
 ttgaattact agcgtctcag tatattacgg gactcaatcg gacttccgag tgagatgtta 240
 ttgtc 245

<210> 23989

<211> 433
 <212> DNA
 <213> Glycine max

<400> 23989

ctccgcttaa ggactcgttt gtgttttctg agataggatt tcttatgttc ttctttaagg 60
 gttcaacaag cttttgtgat ttccacttga aggattctag ctggaaagga agtttttgaa 120
 tttctttgta tgtgcatttt tgtctataat actttgagat tcataatgaa aataactaac 180
 taaggtagtt gtgtataatt ggatgtaggt aaaaaatgat tgaactaata taaattggtg 240
 agtcattcat ctccctttcc ctaatctctc ttatgagttt tgtgatttgc gtattctaca 300
 taactgaatc tttgttcaat tgattctaca tatttatatg atgattaaag ttttccaggg 360
 catttccatc acattttaga ctttgatttt aagatttcat tggttcaaca atccaacaag 420
 agatggtggt taa 433

<210> 23990
 <211> 389
 <212> DNA
 <213> Glycine max

<400> 23990

cctatagaat actccgcttg aggaatctta gggaactact aaatatgccg ctatttttgc 60
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 agtaaacaatg tgtatggatc cttagaggat caaattgggg ttaaatttgg agattattta 180
 tgtgcttcaa tttttcatgt acaatgataa ctacgaattg ttcattgtag atgagtcaat 240
 tgatgccttg atgtgaatta gatgtgttaa tttacggtct agccttgaat gttaaacta 300
 taaatctgag aattcttgat atctacatgt cttctcgaaa ttgattgaga ggttctgttc 360
 cccctgatgt gaccacatat tctatgcta 389

<210> 23991
 <211> 443
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23991

tgtggagcca atgcaagcag aacgcatgga cgaagttgcc cggtccccct tcctacaca 60

acctcagcct ccaccatact tttgatcaat tgcaacaaat aataaatata tacaagaaaa 120
 ttagtaagta ttgaaatfff taaatttaaa aaaatatcat ttttaagfff tatccaaaca 180
 tgatcatata tcacttagtg gttaaagaag aagaaaagaa gaaaaagata ggagatttaa 240
 tttctcccgf taacaaataa taatgaaatt atttattcaa ggagcaactg gccatggatt 300
 ttgccaaatg aagttttgaa attaattaga ggaatgggaa ggtgcaggaa tgagaatggc 360
 cccgccccac ctttgggtca tattttctca accaattgaa tgaatagtga tattnttggf 420
 ttgagtaata atatataaat tat 443

<210> 23992
 <211> 514
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23992

cggagcaagc ctttgaacct tgggtgagac cttgagacac tcggagacac tcatgagaac 60
 tcatgctgaa tgcactgcaa tttatgcatg tttcatatgc tttctatctc ctaaggngga 120
 gatagctccc tctaacggtt tcctattcct gaaatacctc gtgcatgcat acaccagtcc 180
 atgaccttga aaggcttagg atcccattca acacttttgg atcttacatg gatacggcga 240
 tgatctgtaa aatacctgct attacaaact gcgtcgagtc aggccactga aatgaaactt 300
 tgctactctg caatgacaca cacagctgat cccaccact ctcacatata tgactacgca 360
 cactgacata atcatcaaca ctaacacaca cgctctcccc cataatgatt cactcacacg 420
 cacacacaca ctaaggcatg cattcctctg gctctggaga gtcacaatat tcattgcttg 480
 gctcaatgat tgcatacttc tactcgcttg aacg 514

<210> 23993
 <211> 550
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23993

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 ccactctcgc tatatagcta ccacgattt attatctgca atttctgcga ttccaatgac 120

aggcaacgcg tgtgatntgg ttcctgctta tctcaatgta ccgacgctca tagaatgcag 180
 cttattgcta aattatttgg tcgaatgagc atcacttagt gtgccattgc cagaccgttc 240
 ggctaacata cctctgtatt gataactcgt cctgacctat gttcacttct cagttgttgc 300
 tactattacg tcatactcta tatctttgcg tcattaagca aatatcatgg cgcacatatg 360
 gtatgatcgc gccgaatcct atgtttatag tggctattga ttacggttca ctgtgttcgt 420
 gaactggta gaatcacaat agtgtataac atccgccaac attctaactt tgtacatcgc 480
 ggaggcattg gaaattgaat tcgtaccata tgcgtgctga tcgtgacgct cctgttatca 540
 agacctcagg 550

<210> 23994
 <211> 362
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 23994

tgaaggcaca ctggatgcat tggttaactn ggtaaccag ctggccttga atcacaaatc 60
 tgtacctgtc gcaagggttt gtggattgtg ctcccttgct gaccaccata cagacctttg 120
 cctttccatg cagcaacctg gagcaattga gcagcctgaa gcttatgctg caaatattta 180
 caatagacct cctcaacctc agcagcaaaa tcaaccacag cagagcaatt atgacctctc 240
 cagcatcaga tacaacctg gatggaggaa tcaccctaac cttagatgcg ccagccctca 300
 gcatcaacaa cagcagcctg ctccctcctt tcaaacgctt gtgccccacg ataactatac 360
 at 362

<210> 23995
 <211> 449
 <212> DNA
 <213> Glycine max
 <400> 23995

tcgtacgcat atccctcatt taagactaca cccgatttag atagcactct taggtttaga 60
 ctaacataaa ctgagtttcg ttcgcagatc cctcatgtaa gactactaga ctcagctcaa 120
 gtagettact aaagtttatc ctaatttagc ccaagcttcg ttcgcataac cctcatgtaa 180

gattaggcct aaactaaaca acattattgt aacagcataa ttaaaaccaa aacttcaccc 240
gcagatcctc atgtaaggct aagttgcaat cctacttcaa tcaagttcta aggcaacagt 300
acatttccca atgctaattg cacctaattg tgcacacaaa tgggtgatca gacccaaagc 360
atacaaacat taagcattga aggaagcatt gaacacagaa aacataatca attagatatt 420
aggtatttac atcagctggc cattagaaa 449

<210> 23996
<211> 448
<212> DNA
<213> Glycine max

<400> 23996

tgtccattat actcacattt ctggttcctc aaattcttta taaacgcctt agtgacctct 60
ggctctcacat atttaggtgg gtgcaagcca ccctttgacc agtcaacca agtcaaactc 120
ctattagaat tcttctccgg aaacattatg ttaacaaatg ttggcaagta gtgttcatca 180
acatagcatg gtctcgtgca gcgctcttga aaaattggga agtaggtttt gtctgacacc 240
acttctaagg caagttctct gtccatttcg aaccattgag acccttttct ccattgcttg 300
agggtgacca tatgggacat gcgagggttg taacgtccac gtgcaactag actatcttca 360
tcataagcca tcacatagct gtgggtggag tccatcacat atgagtagat tggtgagaag 420
ttgatagagg gatgcatgat ctgatatc 448

<210> 23997
<211> 394
<212> DNA
<213> Glycine max

<400> 23997

tgccactgca gcaatcaagt gaacgactga agtgtccttt gacattggat gggtgcttgg 60
tagaggtaca tgctaataac taataagatt tcctgtgcag ggtatcattg tttttgcatg 120
agtgatggct accttggggc tggatatttt gggtgaatct gcctcacaag ttatttcgaa 180
ggtaattgac ataatctatt gctcttggtt gtttattata tacctaaatt tgggttcaag 240
actagttatt caacacgtgg attatctacc acaagattgt tctaataagt gattttatca 300
tttgagcagt tcatattatc attagacctt gctgttgctt tgattccgct gctaaagtcc 360

actagcagca caatgactag cagcacaagc attg

394

<210> 23998
<211> 420
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23998

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agggttttgc tcttgaagaa acttttctaa cttagaaaat ttttctttac actaaccatg 120
atgatgaatg atgcaagaca aatatcatat gtactaagat gcaacataaa agataacaat 180
gaatacaaat gccactcaag ggagtttagac atgcaaaagt caaaacatct tcaagctntg 240
gcctttatgt tgttcatcat gtttctcatt ntgctccatc tatctctaac acatgtcatc 300
tntaatgatt ttgtctttga tctctcaaag aaggattaaa gatacttcaa ggaccacatt 360
gagcaactac atgaagtgtg aaagtcaaca agagaagagt atgananagc ctatgatcct 420

<210> 23999
<211> 444
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23999

actggtcagc cgaatggaga cttctgacta atgtttctta gatgtttgng tactaccaca 60
tggctacttg gcttaaagaa ttcttcgcca attttgagct cagacacatt ataagagaaa 120
acaatgagag ccaacttggt gttaaaactc gccagtacaa agaagaaagg ttaatacata 180
atagttatca aggaaacaat cttggaacta ggcttggaaca atgtggtagc gagtgttaact 240
ctcatttatt gagcgtggat aattgagatt tacgacttcc tgganaaaaa ctcactctcg 300
aaatatctag tagcgacaag aaagattaag agaaatgcc a gctattatgt gatagcggga 360
ggatacctat acaaaaagagg ctctactacc cctctgttga aatgcctaag tcgggatcat 420
gtcgagtatg tgatgaaaga catg 444

<210> 24000
<211> 422
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 24000

tgtaacctat tatgactntg acgaagtgca acgcgatttc tatggccatt gaattttttt 60
ccttatcttc caatgctgcc cttaccgccg ttagcccttg gccaaaagaa tttgagtatc 120
atatttatat gtttgataat tattattatt gttattattt tttctcttga tgcacgtaaa 180
agagaataac ctaaactttt atatatgcgc attcaaatta aaactaacat acataaatgg 240
tcaattaatg gatcttacat aatgactcgt tttcctttgc ttctttcagg agagatcatc 300
atcaattgat atggaatcat gtgtgcctcc tggatttaga attcatccca cagaagagga 360
gctcgtggtg tattacctca agaggaagat aaactcgcta aacatcgatc tagatgttat 420
tg 422

<210> 24001

<211> 439

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 24001

tatttatagt ttgtntaaac ccaattatgt tatgcttggt aaatcttaag gttaagaaaa 60
aaataatttt taaataaaaa tttaaaagat agtactaaac taaatttatt gaattggaag 120
tgcttcataa aaattagtta ttgaatcaat tagttttttt tttggtgtac attaaattaa 180
ttagttaata ataaaatgac gtagaaaaaa atgtttatat gatttttata cattttttta 240
tttctagaaa aaataactttt aattaataat aattaaaact tttgtagtta gttgtaaatt 300
gatataattt ttaaaagata aattttttta ttaaaaatta agaataaata atataatatt 360
aaaagaggga atttattgaa acacagtgct tcagcttaga attaagacaa ctttattagg 420
ttgaacagac aacaatttc 439

<210> 24002

<211> 409

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 24002

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 ctttcttggt ctggtggcc attttgacat attcgtgcat atttacatag agactaaccc 120
 attgctaata gtctatattg agacgggtca ttggggggtt atataactat gttaattgct 180
 aatagtcaat gcctatcagt atcatcacat. aatccaatga ccttagactt cattgtataa 240
 tagtaacaca atcatattaa cataataatt tacataatat ggttgtcatt atgaggatca 300
 atctctcaga caaaagtc ataggaaggtg ggacacaatg acagatgcc tctagaatcc 360
 aattttggtt ttatatcttt ccaatgagaa agagatgata tttcatcac 409

<210> 24003
 <211> 455
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24003

atagaatact nacgcttgca gacaagacta tacgaggtat cttccttggg tatatcaata 60
 tctctaaggg ctaccgtgtc tacaacttgc aaactaagaa actcgtcatc agtcgagatg 120
 tggaagttga tgaatatgct tcttgggaatt gggatgaaga aaaagtggag aagaagggttc 180
 ttatacccg c tcaactacct caagaagaag ctgaggaaga agaccaggt gaaccacctt 240
 cacctccacc acaacaacaa gatcaagaac tatcatcacc agagtctact ccaagacgag 300
 taagatcttt ggtggacata tatgaaacct gtaacttggc cataactgaa cctggaagct 360
 ttgaagaagc gtcaaagcag gaagtatggg tcaaggcaat ggaagaagag atgcagatga 420
 tcgagannaa caacacatgg gagttagtaa atcgt 455

<210> 24004
 <211> 440
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24004

ntaataagat attatctatg aaagtaaact acaagtttca aaaggattcc ctttatggga 60
 aaaatatata ctacaatcca aaagactatc acaaggccct aagttgggtcc cctctaacat 120
 tatatacgta actagcaaaa agagagagtg gtcttgactc ctagtccatc ttctagatct 180

aggtcttcaa gaagctgtat gatctcttgt aatatcagta ttatctgctc tcgtacaaaa 240
catgatcatc acagccatac aacacaacat agacatgaaa gcaagggtaa atttttataa 300
aagaatcatg ccataaaaaa gtaaagggat aatgagatag cttacaagag aattctgaat 360
aaaacattca ttaccaaadc aattcaagca tatgatatga taatctcaat tcacacttta 420
atctcatatg catatgtatc 440

<210> 24005
<211> 423
<212> DNA
<213> Glycine max

<400> 24005
atthagaaaa tacaaattaa ctcttttata tgctaattct gttttataaa ataaaattaa 60
taaatagaca gcttattaat ggaaaaaatt gtataatatg catgagacct tagaatcaat 120
ttttttataa tcattgtaca caaaagggaa ataaaattaa tttgatgtat aatacttttc 180
aattctaaaa taagtatcgt cctaattatt ttacctaaat aaagaaaaat tattagaaat 240
attagaaaga aagggtccagg aaaatgatct ctttatcccc atgacaaaaat gtgtttatat 300
acacatatg tattacaatc gtgatcctat aattaagtta ggactaatta cactaaatat 360
agaaatgaac atatatggaa agaattggtc ttgatagcta cacaccggca gatactaaat 420
cat 423

<210> 24006
<211> 351
<212> DNA
<213> Glycine max

<400> 24006
gaagagagaa tggaagagat ccctgctgtt cttccatgct ttataatcag cggcgaagat 60
cccgtctccg aaggcctgaa aaatgtgacg aaactcgggt cccttgacgt acgtgtggaa 120
attcttgctc agcatgtggt ggacgttgat ggggtcgcaa gtgaccaaat agtccatgtt 180
ggtaaaccbaa ggtccaatga actcaccagt gccaccatgt cgttgcaaca cctgagatga 240
ataatcatgg gcacgccata aattgaacag taattgtggt agcatgccaa tgatacggtg 300
ttctgtccaa atgggttggt gcaacatcgt ctccatgga agaaatattg g 351

<210> 24007
 <211> 454
 <212> DNA
 <213> Glycine max

<400> 24007

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 tggggtacca agttgaccaa cgcattccagt ttgccttcaa gcttcttagt ttcagatgat 180
 gcagatgggt ttgtagctac ctcatgcact cctctaata ga ctatggcatc atttctggcg 240
 ctaaactgct gggagttgga ggccatcttc tcaattaaat ttctggcttc agcaggggtc 300
 atgtctccaa gggctcaacc actggcagca tctatcatac ttctctccat attactgagt 360
 ccttcataaa aatattggag aagaagctgt tctgaaatct gatggtggag gcaactggca 420
 catagtttct taaatctctc ccagtactca taca 454

<210> 24008
 <211> 444
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24008

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 tgcacccata tacaatcaag gtagcttcat tacctagatt atttaccatg acttccaagg 120
 tgtatttggt atttaccatc cacacgctc cttggctgaa ttacatata tgcatactca 180
 aagcattntg gggtagcaaa aactgcacat gcgctcatct tggatattct aataccata 240
 catatacaaa cttcacgatg aatcttgact acctacacaa taagggtgcta catttcatgc 300
 tttttttcaa gtttttgcta cctanagcca catgcaaatt caagcatatt ttcctttgct 360
 gactaaaatt gtattcaaat tagaaggat atattntttt tgtaatgtgg tttcttcaca 420
 taacatgcaa catatttata tata 444

<210> 24009
 <211> 439
 <212> DNA

<213> Glycine max

<400> 24009

agccgctagc agacgagact tccgaagaat tttctgtgct tgaatatata aatggctcga 60
tgtacatggg caaaccactg aagataaatt gtcaaaaggc gattctgatg atgaaatgct 120
catctctgtt ctcaagtaat gttcctttac cttctcgttt ataggatcac cactttactg 180
atcaacgata ggatcaataa tgatgttcac aaatttactt tgatgctgat gctgaacgac 240
ctttgtctac tatccctaata cagatacacg gtgacaaaat aacaggagct accaatcata 300
aatccgtgaa tttggaggga agcctgttgg ttcagcacct gtaagtatat actgaactct 360
tatgcttatt aattattgac tggatttatt tcttctatta gatctatggt tcctctacga 420
aatgaaatgt tgtcattat 439

<210> 24010

<211> 442

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 24010

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tgaatatcat agcctttttc gagtaattgt cccaaactca aaatattgat cttcatattt 180
gggacatagt agacatttga tatgaattca tgtcttccaa ctttcaaacy aattaagatc 240
taaagcatct atagtagaca tttgaaatga attcatgtct tccaactttc aaacgaatta 300
agagtcttat aattatcacc aaatgaaaca ctattctaaa gcatctatag tcaagtatta 360
ttggtgacta tggcgacgat aatacattaa tgtntttgta tgagtagatc gactaatgac 420
cacgtctcat aggtcatgga ta 442

<210> 24011

<211> 435

<212> DNA

<213> Glycine max

<400> 24011

tctatcaaga tgataatcag agcactatag cttcaagtat gtgctcctta aacctccatt 60

aattttcaac	ttaccttct	cctccattgt	tgtttcttca	ttttctcca	cgtatctcct	120
cacatgtttt	gtgttaaagt	ttgttaacat	gattcttttag	aatttccact	gattaatctt	180
gctatacaag	ctagatttga	ttttctatgg	ttcaaatttc	ttgttaatgt	tcttgaacca	240
tgagtttgtt	tgagtttaag	tttctttgag	ttttgtcttg	ctattttttt	tggttgaaac	300
caaaaccata	aaattcttac	aaaaacatta	aagtacaaga	gaacatcaaa	aatctagagt	360
gacttgttca	actattgtag	ttctgtcata	gaagtcatgt	ctagtcatga	aacttgtcac	420
ataagatttt	ttatg					435

<210>	24012
<211>	370
<212>	DNA
<213>	Glycine max

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gtttatctct	tttatcttag	tgagagtgat	tctcctaaat	tcttgagtga	ttcaagaaca	120
ccctggctgt	atcaaaggac	tttcacaacc	tttgtgtgtt	gccctcgctg	gaaagagtga	180
ttctttcctt	ccaatcatct	ccacccttgt	tctttcaaac	cacaattcca	gaaaatccac	240
ctctgcccaa	aattatctcg	tgaaaggact	cggtgttgaat	tcaattgagg	ctcatgaatc	300
acttaatttg	agtgcgtaaa	atgggaatta	tggtcacgag	ataattttgg	ccgaataaga	360
tggaaaatgc						370

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<223>      unsure at all n locations
<400>      24013
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ggtagccaaa ttgtcttatg gcgaggacgg gattataatt aatacaacct cttgttccat 300
 caagggaaca ttgggacatc cttcgcatga agatagaatc ctgattcttc cttccttcta 360
 gcgagggaac anattaacag acgcccctcc atgctagcc 399

<210> 24014
 <211> 415
 <212> DNA
 <213> Glycine max

<400> 24014

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 agcatagacc aaggttataa gttccaataa gatatactaaa aatgcattta ataacagata 120
 aaaggacttt ccttggttct ttttgaaacc ttgcacataa gtaaacta aacattatat 180
 caggcctata cgctataagg tataacaatg atccaatcat tgctatttat tgggttttgt 240
 ccaacttttt tagattcttc gtccaaccct aagtatctag ttggatgtat aggtgtctcc 300
 atttcttttg cattgtccac gttgaacata tttagaagtt ctttcatata cttggtgatg 360
 caatcctacc ccgcaggcca ttgggtagaa gactccaagt agattggcta gagat 415

<210> 24015
 <211> 413
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24015

tgagctcggt actgctgcct tacaaagccc ctcataactt gttcttgctt cattcttctt 60
 ttcggggcct ttntgtttcc cgctctaacg cttcaaccgt ggtcatgttg atacctttca 120
 gctcatcaca ctcttctcta accctaataa ctgtcgtctt tagcttctct ttcaccactc 180
 ttgtcttttt aagctctggt ttcaaagctt gcacttcttc actttctca agaatttcag 240
 cctctttccc acttagactt tttagctttg ggagccacgt tateccttgc attctagact 300
 tcaaccatat gtgatagctg ctgatgacac cattgctact tcctctaagc tccttatctt 360
 ttcttccac tctattccat gctttacgga ttttttgaag tatctttgca tta 413

<210> 24016
 <211> 395

<212> DNA
<213> Glycine max

<400> 24016

tctcaggaag tctctcttat agcttctatg gaatctacct agtctataaa tagaagcatg 60
tgttacactt gttgtaactt tgatgaatga cagtcttggt agacatactt gaaagttcca 120
cttctctccc actttttattt cttcaatttc gtgctcccc ctctctcttt ccgaccctct 180
ttcttttctt ccattgaagc atccttccaa gcttcttatt caagtctcat cttggtggcg 240
aagctccttc ctctatgggt tattccttaa aggatggcgc ctctctcac ctctttgggt 300
ttgtcttacg ctgcatctcc atggtggaaa atcaccatta taggacccca ttgaagctca 360
aatattcaac ctccataaaa gcccacaag caagc 395

<210> 24017
<211> 434
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24017

ctatgaaact cagctgaatg gtcacatatt gaaggatgat gcgtaatatt tctgctgggc 60
tacgcgtcat aatatggaat aaggatgcca cattcctttc cattcctggt ctaccaacat 120
cagggctgag tcttgtgcta aggggggatg gtgacataca tctattgtgg ctgggatcct 180
agtgtaaaca tatctatggg ctgcctaata cctgctctca agctctgcaa ggcgtgtata 240
attgctacta tggctacacc caagttctca gtatttcatg gctagcgnnt tgaatatgct 300
gcataccag cctctatatg aatgttagta cctctgcgac ccacctattg tatatgacct 360
actattgctg agcgaagaat aaaactgcac tatagcttat cttatgacac catgcctctg 420
cacgaaatga ctct 434

<210> 24018
<211> 407
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24018

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gatgataatg cccaagcctt ttgtgccaga tttctgtgtg attctctatg agagagaaaa 120
cagcttgctc cttcttcaat ggatttagag caaaactntt tcctttcatt ttcacctcga 180
agatttcttg accagctaca tctttaatta agcaatTTTT gttttcaaat acaactttaa 240
atcctcgttc aattagttgg ctgacactta ataagttttg gtcaatttct agaacgaata 300
ggacatcaac aatacatctt gtgcctgcag aacttgtgat tgcaactgtc ccctttcctt 360
tgactgagat ataatcacca ttaccaattc tgactctggt gactttt 407

<210> 24019
<211> 421
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24019

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ggctctgcac tccctcttca ttatccattc ttctggatcg agtgttatag gggcgccttt 120
gcgctttctt agttatggtg agttccctac agaaacaaac aatcgtgagt atgccaccaa 180
aacatgaata tgctaataaa tgatcagagc acttggatcc acctcaaggc ctttttttag 240
ataacgtgat gagttgcaga acttctcgtt ttataaaaag gaacanagct tttatctagc 300
caagatcata caaaagtgtt acaacagaac ctaacggttt ctaattatat gggccatcan 360
atctatcatg tgttgacagt aattgattag cccgtgaatt tcctcggggg ctgtacacac 420
t 421

<210> 24020
<211> 394
<212> DNA
<213> Glycine max

<400> 24020

caagtgtgta aagtgtgaat atatattgga tttaggggtt acacacgaat ggataaaaat 60
aattgtttgt gttttacaaa tgcaggggta aatttgcaca ttgggcctta aagagactac 120
taccgaatag ccttggagac ctatgtagtg tttgagaagc catgaacaat atgatcactc 180
tacaacatat tgaaattaaa gcatcggttg agacaactac acatgtgggtt gggcatgttt 240

ttaaagttac cttatacaag aaactatttg gcatggtatc aaggatatgtg ttaaaccaca 300
 ttgttgctga gtttgagcat gtaaattatg ctagcattga tagttctcat tatatatata 360
 taatgagaac tactcacggg cttccatgtg cacg 394

<210> 24021
 <211> 420
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24021

taganatcaa gtgataaaag ttatatatttc agtgatcata tattccataa tataggggga 60
 gtaaatgcac attttatcta tatacaattg gttgttgctt gcttgaatct tgatttcagg 120
 tattgtattg tcatcatcaa aaagggggag attgtagatg caaatgcctt tgggtgtttg 180
 atgatgatca tgatgaagaa aagcaaata tgcataatgat tcaagaatac aagccacaac 240
 atcaagatga tcactagtac attaggaagg aaattcataa ttgatatagc aaaagggttg 300
 gccaaagtaat gcatgttaaa aagtgttttt cagaagatct actctctggt aatcgattac 360
 cagaggatgt aatcgattac cagtggccaa aaatgcttta caacagctac taaatatttg 420

<210> 24022
 <211> 437
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24022

tgttatacaa atttataaaa attcaagtac cacaattgtg ttaaatecat gattggctga 60
 tattgagaag aggttgctct taatgctcat agataattgc gtgatgataa caaacaaaat 120
 ctaaactcta catgagtaat tcaacttctt cttactcgtc aaatttgctt gcataacatc 180
 taatacactg caaacattct cacggcatct aatatgttgt ttgcctccta tatttaagtc 240
 atttgattat tctgtcaacc canaccttac tttgaaccaa caatgaaaat gctcaatatt 300
 ttgagatggc ttaacttgac aatatttatg acatctctac tattgaataa caacttttag 360
 atctaaaatg tcttacattc tgtaatcatg tcaatttctt ggacaacaaa tgaccaacaa 420
 tatttcaatt gtaacat 437

<210> 24023
 <211> 437
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 24023

ctttttccat ggcttcctat ggtggttata tntntcttga ctcatcttct ccttgaagtg 60
 gcacctctaa tcacctttcc tctactcca ttctgcttcc attgatcttc aagaagcaaa 120
 ggactccatt gatgaagaag atccaaggcc tacaatctcc acatggagct acatcatgtg 180
 gtatcaagag catcttcata taggtgatgt tcttttgctt cctctatctt tntcttcggg 240
 taattcactt taatcttcat tttcttctcc atgtatctcc tccattgtct tatgggttgg 300
 tgttggttat agtagattca aaaaaataaa tcgattanat cttagatcta cacttggtct 360
 tgcatttcta tggttcaaat tntatagata aactcttgaa tcatgntttt gtgttgattt 420
 taaggtgtat cttttttt 437

<210> 24024
 <211> 437
 <212> DNA
 <213> Glycine max

 <400> 24024

tcaccttttt gtctctctca gttgttgcat gagaatacat gctctatttt catctccac 60
 tccaagtagg cctccggatc attctttcct ttaaattggag gaatgttgag tttaatacca 120
 tcaattcggg tttgtctaag aacaccatca ttccctcttc tctctcttcc ttcttcatta 180
 tgatctctat tctccatttg atccaacctc tcatggagcg catcatctcg ttgcttcatt 240
 aacctctcca aatgttgcat caaagcttgc atttggaatt gcgaaagccc cactccatca 300
 ttaggattag tacctgacat ctcaaacgaa caaatcatat gtaacaagac aattatagtt 360
 gctggttgaa tacctcacc actcaagtgt atcacacaat tatggctctt ctctaagat 420
 acactcttgc ctttttac 437

<210> 24025
 <211> 432
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 24025

tctatagaag gttcgttcct aatttatcta caattgcac acctctcaat gagctgggta 60
agaagaatgt ggcatttacc ttcggtgaaa aacaagagca agcctttgct ttgctcaagg 120
aaaagcttat taaggcacct gttctagctc tttctgactt ttctaaaact tttgagctag 180
aatgtgatgc ctctggagtg ggagttggag ctgtattgtt acaagggtggg caccctattg 240
cttatttttag tgaaaaaatt catagttccc ccctcaacta cccacacctat gataaagagc 300
gttatgcctt aataagagcc ctccaaactt gngaacatta ccttgtttcc aagggaattg 360
tcattcatag tgatcatcaa tcaacttaagt acattagagg gcaaaacaag ttaaacaaaa 420
ggcatgcaaa at 432

<210> 24026
<211> 409
<212> DNA
<213> Glycine max

<400> 24026
tgagatgagg aagtgttgaa tggtgaaact tcttgctttt attgttgacc acagagtggg 60
accgggagat atgtcgcggg ggtcaggaga ccttggggac gtcaggtggg gtgctattgc 120
ccaaaaccaa gcttgaccaa tcccgacca acccgggcat agtcggtcag tgagaacctg 180
tgatgtacct aaacaggcga gtccttgga gtcaacagat aaaaggaaca aagaccacaa 240
agcaaggagg cttgtgggtg ctggccagct gtgaactttg attgatatgt gggttatggc 300
ctctggtaat cgattaccaa ggggtggtaa tgcattacaa ggcttaaaaa tgaagacagg 360
aggctaagat ggtctctagt aatcgattac cacgggatgt aatcgatta 409

<210> 24027
<211> 396
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24027

agctttctag tgccttcatt tcccttcatt tcttcacttt tctctatcat tttcctcgag 60
aaccaacctc ttcactactc cagatccttc ccccatcaca tccctcactc cactttcaac 120

ctaattggcat acttttagtgg cttctcgcaa agatctcatc atcactggaa acacgaagca 180
 tgtaacgact cgcctcgtcg ctatgatatc accattctaa accgtgaaaa tttcaatttt 240
 taaatgaaaa ctctgttaat tttcttatga aaaaaaagta atttttttca cgatatacat 300
 tcaccaaaca acgcataatt acttaaataa atacatatat agatataagta actcaatata 360
 catcatccac ataattgana gtaaattagc ttatac 396

<210> 24028
 <211> 388
 <212> DNA
 <213> Glycine max

<400> 24028

agcttctatt ttagtgtacc agataaccac gggcccagcc aagctatctt ggaagaagtg 60
 cagcaacaac ttctcatccc tggaatgcca ccctatcttg cgacaatata ttttgagatg 120
 gcacttagga caagttgtcc ctttgtacct atcgaaacca ggtaccttga atgatgcaat 180
 cctaccccc aagggcattg gatagaatac tccaagaaga ttggggccaaa gatgcaagag 240
 aaagccctag ggttctctta agccttatgg tagatttcag gcccatggac taagtatgag 300
 cccacttate tttgtacata ttagattaag gcttcattaa tattgggtct tgaatttatg 360
 gctctataat atatgtaggg taccttat 388

<210> 24029
 <211> 399
 <212> DNA
 <213> Glycine max

<400> 24029

tgaatcaagt agccacaggg aagacgaaaa tccccaaaca gaacggccac acagactcga 60
 gtcgaacgaa gttcaacgag caagcattaa cttgccagag tcaagaacag acattcagaa 120
 gattcaagag aaaatgactt caagatgcca gagaagaaat caacgaagca acaaggcaag 180
 acttcacaag ggaagtatag aaaaggatat tccaaaaaca caccacagca aaaccttggt 240
 ctacacaaga agctccctca tatgtctcta agataccaga cgaatcactc tcgtggaatc 300
 agaaaccagc tccctgtaat cgattaccag cgaaaaaagc ggatggcaaa gagctcttaa 360
 ctgaatccgc aacggcacca acgaactaaa atggcgagg 399

<210> 24030
 <211> 258
 <212> DNA
 <213> Glycine max

<400> 24030

agtttgttta tgttgatgt gtagaagggt gaaactgcct gcgtttattg ttgaccacag 60
 actggcacct ggagatatgt cacgggggtc aagagacctt ggggacgtca ggtgtggtgc 120
 tattgccc aaaccaagctt gtccaattcc gacccatccc ggttatagtc tgtcagtgat 180
 aacctgtgat gtacctatgc atgcgagctt ctggcagtca tcagattata tgattgctgg 240
 acctctaagc atggatgc 258

<210> 24031
 <211> 380
 <212> DNA
 <213> Glycine max

<400> 24031

ttgcttggtg ttgggcaata gcacctcacc tgacgtcccc aaggtctcct gacccccacg 60
 gcatactctc ttggtaccact ctgtggtcaa cgaataaaaag taggaagtct ctcccttcca 120
 cacttcctca cttcaagcat gtaagattat ggggtacccg tcacatgtgg tactaggtgg 180
 cggtcggggc atggtgcaag tcgattatcc acatccacaa atcacacata aatccaccac 240
 ccccagttgc ccaccttcaa ctgagctcac gtactccac gtagccctta tcctcggtcc 300
 tctcaacacc ggggtcccat caatcctccc aagcttccac aacatgcaag caatttcaac 360
 atccaaacat catgaactat 380

<210> 24032
 <211> 385
 <212> DNA
 <213> Glycine max

<400> 24032

ttacttatct tgtaactaac caagccctcg gggaggggaa tcgacaacaa agaacactaa 60
 tcaatcatca aaccctaaaa catagtaatc tctataaaaa ctaactattg ttgacttata 120
 aaacctacac actcatcgta actatgatca acaacaatta cagatccaaa atagacatcg 180

aacaccaagc atcacaaact tcttaactac aatcatcaag ctcatccaaa aatacaaaaa 240
 caatcatcaa aacacaaaca aagacaatca acgacaatca ttaatctaca aacaacaact 300
 aacatgacta tcaaaacaca atcaaagaca atcattaagc cacaattaac aataaccatc 360
 atacacagaa ctcaatataa agaaa 385

<210> 24033
 <211> 294
 <212> DNA
 <213> Glycine max

<400> 24033

ctaggaaaat agtataacta actcacatac tctgaaccga gtacaatact cacattactc 60
 tcgaccacta atccaaaaga gaatgtcaga agcccatgta gagcaattgg aaccatcaaa 120
 ctcttcatg gatagtgcga agcttgaaag taaggcctca agtatagatg tgtcagaaac 180
 tacggtagac gccataagac acacaaacag aaccggcaac aacaaagaac gatacagcga 240
 aagttcagat aaacaaagga gtgcaagcaa tgcaactctg atggccacta aact 294

<210> 24034
 <211> 372
 <212> DNA
 <213> Glycine max

<400> 24034

tatcttgaat gtgcgcaacc caccatttgc ataggagaat actggcaatg cgtctaccat 60
 cagacaacc atctcccttt acatcattgg gggtgccact tatgctgcca gatacctcca 120
 cctttgggtg tattcattga tagattcaag cctctttatg cacatgttct gtagttgcat 180
 cctatccgga accatatcac aattgtcatg atacttgcta acgaaggcaa ccattaagtc 240
 ctaccaagaa tggactcgtg aaggtaaccta agtagtgaac caggtaacag ctaccgcaga 300
 aagactttcc tggaaggaat gtattagcaa tttctcatct gttgcatatg ccccatctt 360
 ccaacaatac at 372

<210> 24035
 <211> 294
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24035

acccacagaa gaaaagaaaa gaacgcaaaa canaaagggg ggtgtgctca gcacnaana 60
 angccggaaa aacaccaggt tcttacaaga cgacacgggg caccaagaaa ccaccaccag 120
 agcaaaaaaa aaaaacacca caaaaccaa caaccacaac aaacaaaaga aaaaccgcac 180
 accgcaacca aaagaaacag ccccaaagca agaacacaaa acccgcaaaa caaaaacaaa 240
 aagaacaaca gaacaaaagg acaacagaag aaaagaccac aaagcccaa aacc 294

<210> 24036
 <211> 282
 <212> DNA
 <213> Glycine max

<400> 24036
 tttctttatg tgatggatcg agtggcctca aaatatttaa caatgggggg ctgaattaat 60
 tattcctaaa cctttaccaa ttaataaatc actcttttaa ggcttttact aaattgtgaa 120
 gagaatgagg agtataacag aaacttaata gagagtaa at acgtaaatta gatacacact 180
 ggaaagataa tgagtatgga acaatgaatt aaacacccac gagttttata ctggttcttg 240
 acaaccgggc ctacatccat cccagcgac ctgcggtcct tg 282

<210> 24037
 <211> 354
 <212> DNA
 <213> Glycine max

<400> 24037
 tatcttattg acatacagtg tcagcctgag tcacagctta agttcataac tgaagcctgg 60
 ctacaagtaa attagtgttt tgtaaatgct ttgtacagtt tgctatgtaa tgaattatta 120
 agtctttaca tatgcttttt tattacaaga gtagaccagt tctccccctg ggatgaagtc 180
 tcaaagcagt tgatattcat ttacatttg atttagaata aattacacta accacccttg 240
 aggtttcgtg taattacaca aacaccccat gctgtttaac catacagtca cctcctttgt 300
 agcgggtgta tgtaacatat gaggaggcgt aattgtatgt taaaacttat aggg 354

<210> 24038

<211> 394
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 24038

agcttttagct ataccaagac aaattttctt ccttggtggc cagtctagtt ttgttttggt 60
 tggatccctc cctgtatgtg attgggagaa ggacaatcag ttagttgatt atatcaaata 120
 tttgattcaa atggcaagta tggctaaagt ttattcatca tgaagcttac caaaaagaat 180
 gcgagataga caattatttt ccatgtactc atatatcagt attagctggg tgcctccac 240
 acaacatcca taaagcttaa caagattggg atgttgaagt ccagatatca gtcccatctc 300
 attcaciaac tcacgatttc cctgtttaga ttttgaagaa agctgctnta ctgctattat 360
 tgtaccatct gataataggc cctgcatcat gaac 394

<210> 24039
 <211> 389
 <212> DNA
 <213> Glycine max

 <400> 24039

agctttcttc ttactctgat gaatactctc tccttgctct ctcccactca ggtagcactt 60
 ctgtgcttaa tgacctgcag ctcatgcttg attgcactga tgggggtgcgc cttgctttat 120
 agcctatgtc attgacgtgg aacaagtctc aacgcttaag gaactgattg aggtactagg 180
 cgcaggataa gttgtcttaa cacatgtatg tatcatgtat tggatatacg ctttagatga 240
 tacgatatga tgaagtggat tcatgatagc ccttggtgaaa tcaattacct attatttata 300
 gaggagagcc gctgctatgc ttaatctcta atgaagaaac tattatatat atatagactc 360
 cgactatcat gactctgacc aattctcat 389

<210> 24040
 <211> 396
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24040

agctttgatg atttccagan attttcagtc tcaaaccctg aggtgctacc gattttacat 60

tcatctggga tggttaataac atttgctagc acactttcaa tgccttttt cattaatggg 120
 tgaaattctt acgagttttc ctcaaggttt taaattacat ttagtgacgg ttatacagaa 180
 ctccaaaatc ttaatatccc agaaaattgt aggcaaagtc agttgcagac tgtaatttaa 240
 aactgtcacc ccagtaaat gacgtgggcc ccacttaagt tactgagttt catctcttat 300
 cttgtgggtc ctatgtaaat tccactcaat aagggtgttg gacacaattt gtagatagtg 360
 tattggtaac cattatggag gatttgcttt cttttt 396

<210> 24041
 <211> 381
 <212> DNA
 <213> Glycine max

<400> 24041
 agctttaatt tttgggctac gtttcatatt gattagaggg tataataatg tgtcttactt 60
 ccctcaattt tcgttcaaag ttagtcttat ctatatttta taaatcatga ctttgatctt 120
 tgtatttttt ataatcatct ctctttatgg aacatatgat tctagagtca aagacgaaat 180
 tcaccaatta tataaaatac gatgatcaaa attatttttt ttaaaatata gggattaaaa 240
 cctccaacac aaattaaagg acttgtgaca catttgacct ttggattaga ttatatatcc 300
 agaaattcta tgccactgaa atatgattct aggcacataa tagatgattc atgacatacc 360
 caagtgacta agtctgctct t 381

<210> 24042
 <211> 322
 <212> DNA
 <213> Glycine max

<400> 24042
 agcttcgtga tctctatata agattcacca atgtctgcgg gcataatgcc catttcttga 60
 cccaaatcaa aaccctcaaa gtcacgacc tctcaaaca tagcaacgaa ctctacggca 120
 acctccctgc ctggctccct tctctgccca acttcttcga aatctccttc gacgcatacc 180
 gcatctccgg ctcttctctg aagtcgctca caggatgatg acgctcaccg acaaccgcct 240
 taccgggaag atttcggcga aactggcgaa gctggacttg aaggttgcgt acttgtgtca 300
 taatatgctg gagggatgat ct 322

<210> 24043
 <211> 395
 <212> DNA
 <213> Glycine max

<400> 24043

tatgcttgct taaagatgtc ttgattaat taattatattt aaaatctagt gaaatactaa 60
 ctaaaaaaaaa acataaaatt tcgtataagt aatgtacaaa tccaaaaata attgataaac 120
 aaaatcatat tgaattcaag tcgttaaagc acaaagtata tataaaaaaa gagcataata 180
 ttaaaaaatg tatagattag gtcttcagtc ccatagctta caaatctatt ttaagtccaa 240
 gcctataaac gaaataaaat aaaatttgga caaaataaga taagatttga tgaaatataa 300
 tctggataaa ataaaatcta aattgaataa aatctggata agataagatt tgataaaata 360
 aatattatta ttattattgt tagttaaaca gttat 395

<210> 24044
 <211> 385
 <212> DNA
 <213> Glycine max

<400> 24044

ttgcttcggt agttattatt attctttaag catgtctgta acatgggttg tgcagtgctt 60
 gaaacttcca gaattggccc atatgctttc gaagatatga taaagatggg taaggatgct 120
 ggagaggagc ttctttctcg agccggacct ggctttttca gtcgttaaca atccaccaca 180
 ttaaatggcc aacacaatac ttgatcaggg aggttgacag gtcagctctt tcagttgact 240
 gcaccccaag tatgtctatt cttcaaccat gttgtataga ctaaaatatt cagctgagtt 300
 ggaaaaataa gccactcatc atggccaat tgggtgtatct taagggtgatt ataaagccaa 360
 atttttgtat tgggtgtgtg attat 385

<210> 24045
 <211> 392
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24045

ttgcttgact aggcgagttg attttagcct tagtttcact ttagttatta gtcaattcaa 60

ttaagaatga gaaatcccaa agagaaaatg tccgattgat ttttcgcttt attttactaa 120
 aaggcatttt tttattatta tattattatt ttacctcttt ttttatttcc aacgtgggta 180
 cggcacgacc gaatggtcgg aattcatttt aatcgaaatt aacgaatgat acaattcaaa 240
 cgatcgggtg aaatttattn tattttttaga ttaggcgaga aacgacttaa ataaatggct 300
 taagcacgtc aaaagggggg ataaaaagcg aatgacaacg agaataataa tacatgaaac 360
 aaaatgtgga ccaccacggg tacatagaat ga 392

<210> 24046
 <211> 385
 <212> DNA
 <213> Glycine max

<400> 24046

tgtctgatca aagagagtgg aagccagtca tcgatagtct accctcgccg gcgcccggga 60
 tcgccctctt tccaaaagta gacgggctag tggatcaacc ggcgatcata tgctcgtctt 120
 gcttacaacc acagcacgga aagcccggtc gcagctcgat tggtcgatgc ctatgacacg 180
 cacgaccgga aacgctacaa gagcagcacg agaactatct gctgcacacc cgctcctcac 240
 gtatggctgg gcacccacac cgcacggcct gacatagact catctcgccc ctagtacgcc 300
 accacatgtg cgctgataaa gggatcgaaa cgcggggaata acccctggca cgatcggaag 360
 gacgtccgtc aaaaggcccc ccgac 385

<210> 24047
 <211> 306
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24047

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 aaggatcaag tcaaattctac aaccttcgat ggctacataa ttgtattcat taaaccatca 120
 agcagcatgt cctcatttat tgagatgact tttgagaccc tatgacattc aaacaaaatg 180
 cctttaaatg atgaaatcat ttcacatca taatatacaa aagcatatgc attctgtatt 240
 tcttaagcaa catgggtgtat atcaagcaaa ggtgtcgagt tgcacacac cctactacta 300

attata

306

<210> 24048
<211> 375
<212> DNA
<213> Glycine max

<400> 24048

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caatgcatac tttgaagtca cctatgccac tgattggaag cttttaatct gttagaatca 120
cttggttagaa agcatctcct caatttgacc atcttggttg taagaatcca catttttctt 180
atcatatgta agcatgtgct tattagccct gcattgcac aattacatac aatatatcct 240
taatatctaa gtaatggttg ccatatatta tcctatcttg aaagacattg atgattctac 300
aatactgaga gatactatac atacaactaa cttatgctaa ttgagagaaa ataacgaaat 360
aaaattaata gattt 375

<210> 24049
<211> 383
<212> DNA
<213> Glycine max

<400> 24049

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tccggttcac cttatcaaca gcgctggtag tggcaacttc aaccgcattg gcttcatta 120
tcttcttcat gctcatcatg gctccatca ttgcggtcat ttgctctttc atggcctcct 180
atgtcggcct ccactgtctc ttgcacctcc tctacttcac ctattactct tgctctagca 240
taggttcggt aagggcgccg taaagcgtgt tctttctctt ttttataaca atgattaagt 300
tcccccccc cccctttttt caaggaaaga atgcaatgag caatgcaacc aatgaacaac 360
atggatgtat gcgaatgatg cac 383

<210> 24050
<211> 392
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24050

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 tggatccctc cctgtatgtg attgggagaa ggacaatcag ttagttgatt atatcaaata 120
 tttgattcaa atggcaagta tggctaaagt ttattcatca tgaagcttac caaaaagaat 180
 gcgagataga caattatttt ccatgtactc atatatcagt attagctggg tgcctccac 240
 acaacatcca taaagcttaa caagattggg atgttgaagt ccagatatca gtcccatctc 300
 attcaciaac tcacgatttc cctgtntaga ttttgaagaa agctgcttta ctgctattat 360
 tgtaccatct gataataggc cctgcatcat ga 392

<210> 24051
 <211> 385
 <212> DNA
 <213> Glycine max

<400> 24051
 agcttccaca acatccaagt aattcaacat ccaagcatca tgaactaaca cagccaagaa 60
 aacagagcag aggcagaaaa ctttgcccaa aacacaaatc aatatcacag cttttcacac 120
 tcaaataccc caataacatt ctcttcgttc caattcgtaa accgttggat cgactcgaaa 180
 attttactgg aagtctctat tacataagtc tacattttga ccgttgggat ctgctagcaa 240
 atatccagaa ccccatatgt actacccttt ccaccaccag ccatacacia gcatttttct 300
 gcacatatac aaaattctgc tgcacatatt tgacagcaaa attctgcata aagtgcagat 360
 tttcgaaacc acacttgccc tcac 385

<210> 24052
 <211> 397
 <212> DNA
 <213> Glycine max

<400> 24052
 agcttttggt tgtgtaattc tgagtgtga tgcacagcct tcttacaagg atggggtaat 60
 tgttgtagtg actggctgct taactggaag tgacaatctg aaaaggaagt ttactcagtc 120
 ctttttcta gctccccagg acaaaggcta ctttgttttg aatgatgttt tcagatatgt 180
 tgatgagtat aagtcagttg atattgagtc tgtgcctgca aacgatgctg ctgatgaaag 240
 tgctccaaca gatgcttttg tccccgagcc tggtaaactt ttacatctgc tggttatata 300

tgatcgtatt cctgttgttt ttcattttct tcctctaaca ttttgcttat ctttgtgtaa 360
cttghtaagtg tgagttttga aacttttact ttgatta 397

<210> 24053
<211> 369
<212> DNA
<213> Glycine max

<400> 24053
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ctttgaagaa cagtcgagaa tctttgcgta attactcacg gaaatgttac ggaagcgct 120
cggctcggat tttcttcacg gaactaattt tcctcagcaa attcgaaaga gagagaagtg 180
cctaaggggc tgaacccttt tcttcttcac ttcttccctt atttatagca aaatagggga 240
gaagcttgcc gccagctcg cccaggcgag caagggttgc tctccagaa gcaacaacct 300
tctggaggaa tcttctggag ggccaagtg cgcttggtg ctattcacac ccctctgttt 360
actaaatgc 369

<210> 24054
<211> 391
<212> DNA
<213> Glycine max

<400> 24054
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agcacatatt cgtggagtgt tgggttattt attttaaaaa agggtcagtt tgggtactgta 120
tatcttaaatt ttgagttaag attatctttt caaaataatg gtcttttggga gtatgagaca 180
tgattttgaa attttttctg actgattgaa gtatgtcaca tttaaatacat ttatataaaa 240
ctatagaact cgattaatgt tccaaaaaaa aaatgttaaa aatgggatga aaagtaagtt 300
ttacaagcca ctgactatt aagatctatt atctgatttt ttttcagtgg ttcatgaact 360
cactttctac tgaattttac catgtaattt a 391

<210> 24055
<211> 334
<212> DNA
<213> Glycine max

<400> 24055

tagcttcaac attcaatttc gaggggtctcg atatattacg ggactcaatc ggacatccga 60

gaaaaaagtt attgtcattt gtatttgctc agagcatcaa cattcaattt cgagcgtgct 120

gatatattac gggactcaat cagacatccg agtaaaaagt tattgtcggt tgaatatgct 180

cagagcttcc gcattctatt tcaagcgtct cgatatatta caggactcaa tcagacatcc 240

gagtaaaaag ttattgtcgt ttgaatttgc ttagagcatc aaaattctat tttgagcgtg 300

tcgatatatt atgggactca atcggacatc cgag 334

<210> 24056

<211> 391

<212> DNA

<213> Glycine max

<400> 24056

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actaacctag ggaattaaaa gaacttaata gttgagtgtg actgaaattg tggcaaccaa 120

aagtcacccc aacagccatc aagtctgcc ccatctgggc tccc aaaagg cttatgccta 180

ggttgccaat tggggccctta ttacaacttg aactaaacca aactaaagcc gttttagtgt 240

attaaccac aatataattt tggtcagcca actttacaag gattggacca ttatttagac 300

aaattaaaca ctctaaaatt gagacaaagt tgtgtcattt agtcctcctc catttgggtc 360

atggtacaac tcacaacctt tgacttttct c 391

<210> 24057

<211> 390

<212> DNA

<213> Glycine max

<400> 24057

ttagctttga tgcaacatat ggagatgtta atgaaacaac gagatgatgc gctccatgag 60

aggttggatc aaatggagaa tagagatcat aatgaagaag aaaggaggag aagaggggaat 120

gatggtgttc ctagacaaaa ccgaattgat ggttttaaac tcaacattcc tccatttaaa 180

ggaaagaatg atctggaggc ctacttggag tgggagatga aaatagagca tgttttctca 240

tgcaacaact atgatgagga ccagaaagtg aagcttgctg ccacggagtt ttccgactat 300

gctcttgtgt ggtggtacaa gcttcaaaag gagagagcat gaaatgaaga gtccatgggt 360
gatacatgga cggatatgaa atagatcatg 390

<210> 24058
<211> 393
<212> DNA
<213> Glycine max

<400> 24058

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tctatctcgc cagactctct tacctctcaa cctatctctc ctccaccag tgtttctctc 120
tctactcact ctctctctac acattctctc tattattcgt gcctaatac acattccata 180
taaggatat taggacagga gcagattact attggagtca cccaatatg actgggtcag 240
tggtcttctc gccataacc aatccttaaa attaatgggt cttattccca atagatatgt 300
ccaagttcgt gtgccttgtc taatcaaagt ttcaaatgt tcagcctaca aatcaattta 360
ctatgctatc aaatgtgcc ctgatagcaa gaa 393

<210> 24059
<211> 395
<212> DNA
<213> Glycine max

<400> 24059

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taaccttcca tgtgaagggt tcaaaccctc aaactaatca gacttttctc tccttttctc 120
gtttgaaaaa ttgcacatat gaagggaatg ccaaaccaag tccctaattt cttcaattat 180
gggaaacaag aatgcatatc cgagtgaata gaacaaaaag tcagtgcata tgaatcaatt 240
aatcacagag caagaatgaa acaatatcaa aacgaacata gggttagaag atccaaagaa 300
atagataatg ctcatgacaa gttatttact aaagatagtg aaaggaaaga aaagaataat 360
ctcatccata ataataacaa aacgtgtatg agaaa 395

<210> 24060
<211> 377
<212> DNA
<213> Glycine max

<400> 24060

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acagtccecta cagctaactt gaatatgtga agcaatgaat cactatcatc aacaattgta 120
ttaagctaac ttcaactgca aagagaaatc acattcacta attggcctat tctagagtaa 180
ctaggctaaa aaagctatgt aaaaaaaaaa gataaaatgt tattatcaga taaacttatt 240
tttatttgcc aaattcaaca tgaactacat gcacatgaat caaggccttt agcttttgat 300
ctagccccct caagaattga tcggaaaatg gatcccaaac atgaccttaa ctggctaata 360
atttattagt tctatta 377

<210> 24061

<211> 386

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 24061

ggaggggtgt gtcgtacact gacanncng ntttngaann gcgcgtggc ctactgagcg 60
cagcagtttc ttattttaac cccaacgac tgggcggggg ggtttacctt aatccccctt 120
ttatcccaac actatgacct gctaccggg tctaccgccc actgatcgct ttcaccactg 180
gtccttaciaa gtcgccgata ttcgtgctaa gcccacatca cttacgttcc aggaccgagc 240
agaatccttc gaacccccag atactgagca tgtcctctgc cgatccaatt taaattatgg 300
gctaatttac ggaacgccat gtcgcgctg ctaagaaggc caaaggagc gaaaggattt 360
actactccga tgcgacggaa caaacg 386

<210> 24062

<211> 390

<212> DNA

<213> Glycine max

<400> 24062

agcttgatga taagctttct atagagctag aagtgacagt gaaaatactt gtaactttgt 60
gaaaaggctt gtggaaattt tgaaaatcac aattcaactc tcattcttat gatatttgcc 120
tttaciaaagt ttatcttggt aaacttgta aactcctgaa actcttttat tgtacatagt 180

aattaatgga tttgatagtt caccttttga atcaatcatg tttggatacc accgtggtaa 240
aatctatctc agtaaaacta cgatcccga ctcgtcaacc gtgggaccat tgtgaaattt 300
ggaccaccac cttcaaaacc cattttcgca catcacttgc cgtgggattt atgaaataat 360
tgttttgcag agagaaatta gtctcgacg 390

<210> 24063
<211> 361
<212> DNA
<213> Glycine max

<400> 24063

agctttattt tctacattca cgactacaca caaaataagg gagttaagta gtcattgtgtt 60
tacacatcaa gaaagacaca ctcatccaag atatatatat ggtccaaaag gttcttgcag 120
cactaatcca cgcatcaaag gagaaataag ctaactaaca acatacacac aggatgatag 180
aggtttggtta acacattatc aatcaatatc aagactactt gcatcaccca atggcttgcc 240
ataatgtcca actgcacttc gcaaattata gagatggcta atctcataac tcatgattca 300
acagtggatt tatggtatag cagacattat tgatgcaaag cacatacaag cattattatt 360
a 361

<210> 24064
<211> 483
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24064

ggaagataaa aagagaaagg agaagggatt ataaaaccca aggggtgtgat gatcgagana 60
cncgggtgag nantggcggg gggatagaag agggagggaa gatttagtta agaaagaaan 120
aagaaaaggg agggaaaagg aagaggaatg aagaatgaaa ggaggaaaga gaagagaaga 180
ggggaaagag gatgaaggag aagggggaga gggaggatga gatgaaggaa agaaagagaa 240
gatgaagaga gagggagagg gagaaagagg aggaagggaa agagaaagaa aagatatgaa 300
aaaagganaa ggaaggaggt ggataaagag aaggaaanga agaggaagg agaggagga 360
gaggaagga tagatgaaag agaaggagga gaagaaaaag gagggaaaga ggagaaggat 420
agaaaacaga gtagagaagg aaaagaaagn aaaggaagaa gaaggaatag agaagagaaa 480

gag

483

<210> 24065
<211> 399
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24065

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agtatgacag tcaccgcttt atgagcgctg tacaccagca gcgcttcgag gccatcaagg 120
gatggtcgtt tctccgggag cgacgcgtcc agctcaggga cgacgagtat actgatttcc 180
aggaggaaat agggcgccgg cgggtgggcat cactgggttac tcccatggcc aagtttgatc 240
cagaaatagt ccttgagttt tatgccaatg cttggccaac agaggagggc gtgcgtgaca 300
tgagatcctg ngtaaggggt cagtggatcc cgtttgatgc cgacgctatc ggccaactcc 360
tangatatcc gttggtgttg gaagagggcc aggaatgtg 399

<210> 24066
<211> 385
<212> DNA
<213> Glycine max

<400> 24066

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tataggttgg acctcccata agagtatgca gttagaactt tatagggtga gctaatactg 120
aggagcatga accaacagat ttgaggtcaa atcctcttca aaggggagtg ggtgatgcaa 180
tcctccctag gaagggacta gtcaccaaag ccatgagcaa gaggctccaa gaggattggg 240
ctagagctgt tgtagaaggc ctaggattc tcatgaacct tagggtagat ttctgagccc 300
atgggccatg ttgtgtccac ttatctttgt acatattaga ttaggatttc attatttttg 360
ggccttgat ttagggctcc ataata 385

<210> 24067
<211> 392
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24067

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accaccaacc aactaaaact tgtcatctct caacatcacc tttttttttt ctcttcagcc 120
aataaaaatt tcccagtttg accactcaat ttccagtaac agtcaactat gacttgatta 180
atgagaggta ataaaagtaa ttttttttat aggggaaaca aaggtagatt ttcttgccaa 240
agtcaagaac taattccttt aaggatttaa cctcttcaaa caaatattta ttcatatacg 300
ttgggcagaa acagannata ccaaacacca tataccttgn gcaatggaca tgtcttanaa 360
tgctttccaa ggacaatgta gtaatttaat ct 392

<210> 24068
<211> 394
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24068

tagcttatac caaaacattc acatcaacac taaaaggag ctttaagtcac tcttaccctt 60
taaacgatga agcttatacc aaagtccaaa acattcacat atttttcccc tttttcaaaa 120
tatgaaacta cttattaaat tattataatt attttttggt tttttatcgt aagaattaaa 180
gataatatta agatatttat aacacttatg caccatgttg aaccaactaa attatacctc 240
atttctaatt atttttggtt gatatcaatt ttttaatctt aaactatatt ttaattctta 300
aattgattat taaatatatc atatttataa aacaaatctc catacattga gtcaaattct 360
ntaaataata aattttatct ttcaatatat tagt 394

<210> 24069
<211> 382
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24069

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gtgagtggct atagtagcca tgctgctagg gttttggaag aggttttagag ggagggttag 120
tctttggatc ctcagccatg acaaagctgg gtgggttcga gatccagtca gcgtgaattg 180

aggagatttg ctagtggtcc aactactccg agggttgtgg atcattttga tgaagtagtg 240
acctgacgtg tgtggtegat ggtgagtgtg tngggtttgg aggctaattgg ggcagatgag 300
aagtggatta tgaggatcca ggagcaggaa gccagagagc gcgaggcaat ggtttctatg 360
gtgaggccaa tggttcccca tg 382

<210> 24070
<211> 383
<212> DNA
<213> Glycine max

<400> 24070

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atacgcagag atgacaattt agagagtgtg ccaatacttt gaaatggatt tccactgaat 120
ttattaatag acagatagag atatcttaat gatgaaagtt ttcaaaatga tcttggaaga 180
gcaccaccaa ttaagttgtt ggaaaaatct agcatgtcaa tagttttaaa agccccaatt 240
tgatctgtca gattgcctga aagttgtgaa ctccgaactg caagtgttgt gagtccatgg 300
gaaatacaag gagcaagaat ttctaaaagt tgattaacct gttggtttag tttgagatat 360
gataaaccta tcttccttaa gtt 383

<210> 24071
<211> 383
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24071

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tccttaaacc tccactaatt ntcagcttta ctttctcctc cattgttggt tcttcgtttc 120
tctccatgta tctcctcacg tgtcttgtgc tgaatgttgt taacataatt ttttagaagt 180
tccaccgatt aagcttgcta tagaagctag atttgatttt ctatggttca aattccttgt 240
tcttgaacca tgaattgtgt tgagtttatg ttcctttgag tttacattgt caattttttt 300
ggctgaaacc tataccataa aattccttacg aaaacattta agttagataa aaccctcaaa 360
atthagatg acatattcac cta 383

<210> 24072
 <211> 345
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24072

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 ctatgcaagt tgaaagcctt ggaggaaaga ggtatgccta tgttggttgat gatgatttct 120
 ccagatttac ctgggtcaac tttatcagag agaaatcaga cacctttgaa gtattcaaag 180
 agttgagtct aagacttcaa agagaaaaag actgtgttat caagagaatc angagtgacc 240
 atggcagaga gtntgaaaac agcaagttaa ctgaattctg cacatctgaa ggcatcactc 300
 atgagttctc tgcagccatt acaccacaac aaaatggcat agttg 345

<210> 24073
 <211> 388
 <212> DNA
 <213> Glycine max

<400> 24073

agcttgcttc tacactaaca cttttcgaaa ggggagtcac catattacca tgttcgtgct 60
 gagtgtatca tgtgttggtat caagtggcct cagaataatt aagaaagggg ggttgaatta 120
 attattacta gacctttact aattaaaaat tacctttctt aggcctttac tataatgtta 180
 agaaaataaa gaacagaaat agaaacttaa ccaaagtaa aagagataat taaagtgcac 240
 agcggaaatt aaaagagtag ggaagaagaa gacaaacaca caagagtttt atactggttc 300
 gacaacaacc cgtgcctaca tccagtcacc aagcaacctg cggtccttga gatttctttt 360
 caaccttgta aaatccttta caagcaaa 388

<210> 24074
 <211> 544
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24074

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aancacnaag gagtccttga tgccctcgntc gacnancnca anncttacgc gacacccgcg 120
gaacctatac agtcaacccg cacgcatgcc aacttttgtgt tggatcaaga agagccatac 180
gaagccgccc gtgcctaagc caccacaacc tggaaggcca ctcatcttat acatgacaat 240
cttagacgag tcgacgggggt gtaagcagaa gcaacatgac gaatccagaa agaaagagcg 300
cgtcgtacac tacctgagta aggagttcac gaccggtgaa aagagccact ccttgctcga 360
aagaacgcgc cgcgccatat caagggcatc cactgcctaa cgacacgacat gctgagccat 420
actaaccggc cgtatccaag acggaccggc ctaagtacat ctctgacaag acagcactca 480
cgggacaaag cacccggtgg aaaggcctgc catccgagtc cgaaagatcc gacgccacca 540
cccg 544

<210> 24075
<211> 391
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24075

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cctctatcat atctaataat ttttacattt atgtctaatt gcctttttac ttcattgtag 120
taaattttcta aagcatccat tgcctaagat atctcgggca gtaagtagac ataaccgtaa 180
tgtgaataat catcaataat ggtgataaag tatcattcct tttcgaaaga actaacatca 240
aaagatccac aaatatcagt atgcacaatt tcaagaagct gagtgcttct tgtagctcct 300
ttctttgtat gttttgcttg ttttccctta atacaacca cacaaatatt tagatccata 360
naatctagat aaggaagaaa ttgattcttt a 391

<210> 24076
<211> 303
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24076

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cgcctaagca cgagcacact gtcaaaaaaa gacggcggag agaaaagccc atcacaagaa 120

caaataagaa tgaaagttat actaagcaag ccaaatagaa gcttcaccgg atgacgccga 180
 tcgaacattt cctaatacgat tgaatagaat aaacaactgc tgacatcgtg acgtgatata 240
 gccccgactg atattcttct gtcgacattg tacaattttc ttacatacg ctaaccgatt 300
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 agtcggctgg gttttttcgt gcgtgctcaa cccg 394

<210> 24080
 <211> 134
 <212> DNA
 <213> Glycine max

<400> 24080

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 gttatcctta tttatacccg cactcaactt agaatcgtaa gctcctataa cggcattttg 120
 atcttcactc tccc 134

<210> 24081
 <211> 382
 <212> DNA
 <213> Glycine max

<400> 24081

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 tgaagtgtga aattgggttaa taacatattg ttattgcaac tatatatata caagttactt 120
 gaaataacta actaattaga gttctattca ttaaccatga tcaagttaaa ctactcatct 180
 atcgaatgctt atagaaaaga tcatgtaatc aatgaaatac atcataattt ttttatagt 240
 gatgtatcct accactatcg aactattatg tgttttaaagc tagaaaataa actatatata 300
 taatggaaat caatttacta gtacagattg taaaagaagt attgtttcat tatagttaaa 360
 aaggaaattg atgaatcatc tt 382

<210> 24082
 <211> 325
 <212> DNA
 <213> Glycine max

<400> 24082

tgtctgttta tattgccatg ttgggacgag tgagacatat cctttctgtc ttacggctat 60
 tgagatgatg tctgggatgt ttatatgctg aaatcgctca tggaaaactg ttagagatga 120
 aaggtagagt ttacctatgc ttggaaagcg aaattgctgg gttatgaatg gataaagagc 180
 gacgctttga tggttggaag gtttaatctg gattcttggg caaacggagt tctatagcga 240
 gttaatccta tctcgaaatg tcatttagga cttatgataa agcttggact gtgctagaga 300
 taacatctat gatcaaagtg aaccc 325

<210> 24083
 <211> 227
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24083

tttgctttct tatatnatac taaacgtaat cgagaacgtg ggtgaaagtg tccttcttct 60
 aaaggggtgtg acaagcttgc gggaggctag aaatcttga tatcaaagtg gcaagattta 120
 tgactgctac aacaatgtgg ttttaatggt ctatatataa cccgctgtgc attacaacaa 180
 attaagataa gattatgaat tttgcataga atgaaatccc tctcctt 227

<210> 24084
 <211> 371
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24084

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 ttttttgagt nttaaattttg agtatataat taagttaatt gcttgaaggt aaaattgtat 120
 tgtttatagt gtttacatgc agttgaaaca attgtctgat ttaaagaata ctttatgatc 180
 tacaacagga gtgtacatat agatcaattc agatngaatt gttttctaatt tgtattatct 240
 tttgaactga attagttgga ttaaataaca ctgaattggt ttttttaaatt aagttcaatt 300
 tgaaataaac ttattttcaa ctgatnttaa aacaagttcg attcaattaa ttaccaaata 360
 tgttttttat a 371

<210> 24085

<211> 393
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24085

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 ctagtgggag tgaagatgaa gcaaggggtg aagactctag tgaggaagtc tacctcaatg 120
 aagaaggtga cgtcctaata gttagaaggc tccttgagg ccaaacttgt gatctatccc 180
 aatccccaaa agagaacatc ttttatacaa gatgcaaaat tntagataaa aattgttctg 240
 tcattgtgga tagtggatct tgttgcaatt tttgtatcac aagattagtt tccaagttga 300
 acctcactat cattntccac ccaaaacctt ataaccttca atgcctcaat gagcaagtgg 360
 agatgatagt taaccaataa gcacccatt cct 393

<210> 24086
 <211> 287
 <212> DNA
 <213> Glycine max

<400> 24086

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 ttttatatat caccctatgt tatggaaagt actggaagag aataagatcc actgttggac 120
 aaaccttcgc ttatgggatg atagtctact cgaccagcaa tctactatct ctctcttgat 180
 tatcggacat cagaagagta ccatcttctt catagaaatc ttctgtcaag gcaatatctg 240
 ttggagctta ttgtggagaa tgcattctatt gaccatgagc tcctttt 287

<210> 24087
 <211> 399
 <212> DNA
 <213> Glycine max

<400> 24087

agtttacata tattccccat gtgataatct gaacaagaga gaattatggg aagcactaag 60
 ccagctaaga caccaagatc ctgagggatt atgggtgcttc ttcggagatt ttaacagcat 120
 tagacaccag tccgagagag aaggggtggc tcacaggggt atggaagcaa acaacataac 180
 tgatttttagt gaatggctag ccgacctaga ggtagaagaa atacctagtg tggggagaag 240

attcacatgg tttaatccaa acgggactgc aaagagtaaa ctagatagat tttttgtctc 300
 tcatgaatgg ctcaacaaat ggccaggctg cacccaattc atcttggatc ggaacttctc 360
 ggaccattgt cccatactta tgagagctaa gaacattgg 399

<210> 24088
 <211> 381
 <212> DNA
 <213> Glycine max

<400> 24088
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 aaaaaccttt gctgagtttg aaattttgcg actatgcgct gagcgcgat ggcactaag 120
 cgctagaagt gtctgggtgc taaccaagcc atgggtggcta agtgccattt cgccaggcta 180
 taagttctct atgttgcttc tttacgctga gtggacacc ttccactaat cgacaacaac 240
 tcgctaaacg agcctggtgc gcttatcagc aaccatcagg cttcaacttc gctctttatc 300
 attacatgtg tctctgctaa tataaccttc caatagatga ttagtatgga tggacctctg 360
 cccaaaacta gatgccaaat t 381

<210> 24089
 <211> 387
 <212> DNA
 <213> Glycine max

<400> 24089
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 caagaagagt taggtctagc cgcgccccac gagcatagga ttgctggacga atatgcccac 120
 gtatacgcgg aaaaagaggc tagaggaagg gtgatcgact ctttacacca agaggcaacc 180
 atgtggatgg atcggtttgc tcttaccttg aacggtagtc aagaacttcc ccgattgtta 240
 gccaaaggcca aggcgatggc agacacctac tccgcccccg aagagattca tgggcttctc 300
 ggctattgtc agcatatgat agacttaatg gccacataa ttagaaattc gtaggaaact 360
 tgtatggtct ctcagacctt gactaga 387

<210> 24090
 <211> 388

<212> DNA
<213> Glycine max

<400> 24090

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gtgcataatc atgaattggt caagtcatta attggacatc catatgcggg gcgattgact 120
aaagctgaaa aaacacttat tgctgatatg acgaagtcca tggatgaagcc aagaaacatt 180
ctgctaactc tgaaggaaca caatgccaat agatgtacga ctattaaaca gatatacaat 240
gcaagaagtg cattctgttc ttccataaga ggaaacgatc ttgaaatgca acatctgatg 300
taagcttttg aacgtgatca atatatttat tggctcagaa tatttgatga agacgtgggt 360
tgagatatct ttggtatcac cctgattc 388

<210> 24091
<211> 329
<212> DNA
<213> Glycine max

<400> 24091

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tgcacaaacc aaagtgcgt atgtaaaaa attgtatgac caagtgaatg tgcattatgc 120
acagaagaat gaaagctatg ccaagcaagc ccacaagata aggaaggaag tggacttga 180
acccggtgat gatcttgac atttgaggac aaattgtttc caagaaggag ggaatgatga 240
gaatcctgaa attggccata tacaggctaa aggcccatgt ggagaatggc gaatgcccaa 300
gttgagaacg atcaagcccc cgagtggat 329

<210> 24092
<211> 168
<212> DNA
<213> Glycine max

<400> 24092

ttgctttatc atctgaccac tttcagggag ctggtgctac ctctcattga cttgatgggg 60
cctatgcatg ttgataacct tggaggaaag atgtatgcct aggcattgtc ggatgatctt 120
tccacattta cctggggtaa ctttatgtca gatagatctc acaccttt 168

<210> 24093
 <211> 389
 <212> DNA
 <213> Glycine max

<400> 24093

ttgcttgggt aatcttcacc tgacaaacca atgttgaggt tgagatatcc ccatagtcca 60
 aaatctaaat gatctaagaa atagcacgcc tccaattcga ggactaggag gcctcctaatt 120
 cacaaaagaa ctctgtcctt cctatcagat attgacaagg tgccatctta cgtgacctat 180
 cacatcccag ttccaccacc atggtaataa aatatggaat gctttacgtt tccaaaaccc 240
 aatattacat ttgcctattc atctatgggt agtcgatcct atattacatt tgcctatatt 300
 ttctacaagg gtttatattat aacaagctta aaactcaggt acatttatct tgggggtaag 360
 tgtagacta tccacatata tcacatggt 389

<210> 24094
 <211> 378
 <212> DNA
 <213> Glycine max

<400> 24094

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 tgtctcattc tgagtcccggt cgctcgtatt cttgggtgggt agatagccac ctaccaaaga 120
 attcaaaatg gctccaggaa aaccttgcaa gtcactctct cctgtatatt atgtgtgttt 180
 ctacaattat gctagaggaa tctgaatata ttgtttgaac ttgttacatt atctgggttag 240
 gaaattgaga ccacaataga ggtccatcaa atttgtatga aattgagacc acaatagagg 300
 tccataaatt tctgaactac gcatgcgtgt gtgtattgta ttcacatac tttctattcc 360
 tccaactctc ttggattg 378

<210> 24095
 <211> 357
 <212> DNA
 <213> Glycine max

<400> 24095

agcctatgca tccggaattc ccggatgagg acatcatggc cttgttcgag gaaaagttgg 60
 acgaagatcg ggacaaatgg actgtatggt ttgacggagc gtcaaacatt ctatgtcatg 120

gcgttggggc agtgttgatc tctccggaca atcaatgtgt acctttcaca gccaggctag 180
gattcgactg caccaacaac atggccgaat atgaagcatg tgccttagcc gtccaggcag 240
caattgactc cgatgtcaaa ctactcaagg tgtacggcga ctcagcggtg gtaatccatc 300
agctgagagg agaatgggaa actagagatc ccaagctgat accctacaaa gcctaca 357

<210> 24096
<211> 297
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24096

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cctgagaagc tagagcttat ctacacacac ccttctaaga acttagctcg cctccttgag 120
aagccttctt gagaagagtc ccaaagaagc tagagcctta ttacacacac cctcttatat 180
agctaattctc acccccatgc ttttaattcat gaaatatatt agcaaaagcg cctttaccaa 240
aactacgcc aatgcccgaga atactaggct taaaccctat tactactaga ttggcca 297

<210> 24097
<211> 388
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24097

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atagaaagct taagaatgga aacataacta gcatggaaat atttttcata tgaaaatatt 120
actaattaaa atgtagaaag gaattaagtc cagctatatg gggcctacta gatatcataa 180
attattgaat aaaattgtaa atttctagcc aaacaagggtt aatttataga taataatata 240
tatctttcca tgtatttaaa atttagttta atttttctat tgttttgaaa attgggctag 300
acccatccat ccaactagtc aaattgggaa ccaatntatc aacagggtcta ttaatagaac 360
aaaaataaat caatatcaat aagttaat 388

<210> 24098
<211> 391

<212> DNA
<213> Glycine max

<400> 24098

agcttatttc ttcaattcca atgcattgtg atagtcaa at tgctatatct aaagtgacta 60
gcaaaatttt aatgaaaaaa gaagacactt aagagtgaga cataagtcta taagaaattt 120
gatttctcat gttatcattt ctcttgactt tgtcagggtca gaaaataata ttgcggatcc 180
gcttacaaaa ggggttgacgc gtcaacaagt atttgagtcg tcgaggggaa tgagattaaa 240
gccattatt tagttacaac aatggacacc cgtctccgtg tgattggtga tcccatgaat 300
ggagttcaac gggtaacaac gaaattgttt gttgagtaaa gtacaccaa atgaaatttg 360
gcggagttgt tccgtctctc attcctatga c 391

<210> 24099
<211> 392
<212> DNA
<213> Glycine max

<400> 24099

agcttgaatt atcgttatta acacgatttt ttaatcaatt gagttaatag atcaattatg 60
ttataaaata attaattgtca ttatatataa cactaaattt tttaatgtat atttaattga 120
catataagtt tacataatat atattgtgac aattaatttt gatctaataa tttttttaca 180
tatataaatt tttattaaac ttgtaattct tatttaaaaa atatattgtt aaatcgaaat 240
taattataat aagggtcaaaa acagaaattt atttactata ataattataa aaaactataa 300
ctaaatttat taattttttt aatctttttac taaaaatttt gagtgatata gattgacaat 360
ccgtatacgg attataaatc tatatgttta tt 392

<210> 24100
<211> 390
<212> DNA
<213> Glycine max

<400> 24100

agcttttctt agtccattaa gcatggcaaa aagctctgct cttatgctga gtaccctgag 60
aatcccgata tccagttgcc acaatgatct cgaaataaac ctccaaatcc aactcgtcca 120
gggttaccaa atgagctacc atcaatgttg atctttattc tcggtggtgg aggaggctcc 180

cagctaacat gcttgcaagg tctaagtcga acttaatggg gcatagttct acaaatatca 240
 ttgaagagag aatgaatttt acttaataca tggttagagat tccattgttg atctctaaaa 300
 attcctgtat ttctagcctt ccacaaagtg tcgtaagttg ttgcaaatag agtctcgtta 360
 tgtcccttaa tgttggaat gagctggta 390

<210> 24101
 <211> 394
 <212> DNA
 <213> Glycine max

<400> 24101

agcttgatg ttataatcat aaagttatca tgagatgcta acaacacact cttttgaata 60
 cactctctac acttgagaa atttattaaa aatcatgaat ttttatggat ctacttctt 120
 atttaatgag tttctctcct taattttag tttttaacaa attttaatca ataacaaaat 180
 acgtgttaaa aagagtgtgt tgctaatacct tctcagatta tcataatcaa tttattgggt 240
 acaaacattt ttgtggatca ggtgtggctg gagaagcgtt atgttgggtc acgtcacaca 300
 tctgaatggg tcaatacagc aggaagaaat gttaagacgg ggcttattgc aagtgtcatt 360
 gtgtctcacg taatggattc aaatagcctc atag 394

<210> 24102
 <211> 391
 <212> DNA
 <213> Glycine max

<400> 24102

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 gactacgtga gctcagttgg aggtgggcaa caggggatgg tgggtttatg cgcgcattgt 120
 ggatgaggaa agcttgttgt gcaccatcgc ccgaccgcca cctagtacca catgtgatgg 180
 gtaccccata atcctacaag cttgagatga ggaagtgttg aagggtgaaa cttcctgctt 240
 ttattgttga ccacagagtg gtacctggag atatgtcgcg ggggtcagga gaccttgggg 300
 acgttaggtg ggtgtctatt gcccaaaacc aaacttgacc aattccgacc caaccgggc 360
 atattcggtc agtgagaacc tgtgatgtac c 391

<210> 24103
 <211> 391
 <212> DNA
 <213> Glycine max

<400> 24103

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 gaggacaata attctagggg tttagaattc cagtttttac tgttcacgcg cactgttcac 120
 gtagaataaa attcattttc tgaaattccg tttctgcttc aatctacaat ttcattttct 180
 actaattaat ggaaggctaa gtcttcagcg ttgttttctc ttgaggacca aaaatagctc 240
 tctttgaggt tttgttatta ctattgaatt ctgatcaatt tttcctcttc accaattact 300
 atgtattttt tgctattaat ccatgcatgc ttagtgcttg attaattgtc tctgcacata 360
 atttacgttc atgcttaatg atcagtttcg t 391

<210> 24104
 <211> 333
 <212> DNA
 <213> Glycine max

<400> 24104

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 cttacatgga gtggctccat cgctaactca ttgatgatc aaggcgatct ggttcagagt 120
 caccacacga tttgatgtat cgcgccaaacc aattccgagc tcgctaattg agagaactat 180
 gtaagtgttg aataggctct aactaaacgt aatggaaaat aagagggacc acctctttat 240
 cgatagcatg taacttactt aagacatggt agcaaataata tatgcatgac cagtgaacat 300
 catgtgattt tatacctaca catagtcac aat 333

<210> 24105
 <211> 384
 <212> DNA
 <213> Glycine max

<400> 24105

tatcttggtt taaccaaagt cccctaattg cegtgtcatg tcggcgcca acaaaatgtt 60
 gctcgatttg atgtccctgt gaataacaac ctgggtccaa cegtggtgaa tgtagctaag 120
 cccctctgcc acgtagacaa ggatacgacg gcgttgctcc caccctaaag acttctccga 180

cttatctaaa acccacttgt tgagactccc gttgggcatg taatcataaa ccaacataag 240
 ctcgctcccc tttctgcacc accctctcat tagaaccaag ttcttgtgct gaagcctacc 300
 catgcttgaa atctcctcca tgaattcccg caaccctttg cttgaatagt gggtcacgca 360
 ctttaccgca atttgcgtat ggggt 384

<210> 24106
 <211> 387
 <212> DNA
 <213> Glycine max

<400> 24106

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 ccatctccat tacaagcctt tcttcttctt gaacacacat ggtcattaat tcattgatag 120
 accatttatc tttatgtgtg ttgtaggaaa tcttaaattgg cccatattca tgtggaaggg 180
 tgttcaaaaat gaaatgcact atgaaggact cagacatata aacctctagt ttcttaagtt 240
 gagctgaaat atctcgcat ttcattgatgt actcagcac acctttcaca ctgggtgagcc 300
 gaagagaaga aaacttcatg atcaaagtgc ttgctaaagt cttatctgaa gtgatgaact 360
 gggcatcaat ggctttaaagc aagtctc 387

<210> 24107
 <211> 345
 <212> DNA
 <213> Glycine max

<400> 24107

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 tatgcaggat catgcacgtc gttgtgtact cactagaaca aggtacacgc tgcatatcgc 120
 ataattaatg cagtcaaata tcgagatgtt acgtcataaa agttatgaat gagtgtcgag 180
 gattctacat aatcaaatta acataatacg tctaccacat atcaciaaatc tggattgaca 240
 ttacacatga ttaataaaaat catacttatg agtattcgtt tgattttatc tgactgttac 300
 gggtaataata cgaggatgatc gaaatgagtg cggattttta ctgac 345

<210> 24108
 <211> 371

[illegible]

<210>	24109
<211>	395
<212>	DNA
<213>	Glycine max

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cccgagtatt	attgttccat	atcatccaag	gtgaactcac	tactagaaaa	tagactttta	120
acatcgggta	ttaactgatg	ttgaaactgt	caacgttaaa	agtctcgacg	ttaacatcgg	180
ttttgaaaat	cgatgttaag	taaattacac	aacatcgatt	ttgtacaaaa	tcgatgtcat	240
atcataaaat	attaacaaaa	aaataaaaata	tgaagaaaac	cacatcattn	tttttttaaaa	300
tcgatgttgt	cagtctaaaa	catcggtttt	tcaaaaaatc	gatgtttttt	tactcacaac	360
atcaatttcc	caaccgatgt	tatgaatcaa	ttttc			395

<210>	24110
<211>	395
<212>	DNA
<213>	Glycine max

agtttcttat ccaagacaca ttcttggtgg cgaaactcct tctttcatga cttattccct 60
agtagatgaa gtctcctctc acctcttctc ttttatcttt cgctgcattc ccatgataga 120

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<223>      unsure at all n locations
<400>      24111
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<210>	24112
<211>	399
<212>	DNA
<213>	Glycine max

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gaggtgaaaa gccataaaag atgatgagct	tcaaatagtt cattttttta gcaagcaata	120
gtgtaggcta tttcatgaca attttatata	tgttaggaga tttgtgtttt taaattgaag	180
agtatgtgaa ttgtgatatt gcagaaaaga	tatgcaagct cgtgtttgac aattgaaaat	240
taagagtaaa tttttttttg aaaaaatgaa	taaacattaa cgaatatctt cttattgggt	300
tattaccata tagggttatt accatataga	actgagctaa ctcatgagat gaagttgagt	360

tcattccttc ttttaaagtt actgaactat nttatcgag

399

<210> 24113
<211> 393
<212> DNA
<213> Glycine max

<400> 24113

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catatgtatt ttttgcata ttttttacc ttttataatt ttattgaagt atacaacaat 120
attttaacaa gttgaaataa taatatatcc acattattgt ttcctttaat tactatttaa 180
tcttaaagaa ttttcacacc ttaaactagg acaccatggt ctctcttttt taaaaaaca 240
tttatgtgct aaaaaagata attttatcac tgtataatth taaatcattt aattatgaat 300
attaaattat tttttatcat tctacttgct tttttataaa aaaattaata ttaaattaaa 360
aaaaattgtg tcaaaatttg ataattaaaa aaa 393

<210> 24114
<211> 336
<212> DNA
<213> Glycine max

<400> 24114

tcttctttcc taggaagcta tctagtctag aaagagaagc atgtataaca ctcgttgcaa 60
ctttgatgaa tgaaagtctt atgagataca ctacacagta ccacttctct ctttctctaa 120
ttccttcaat atcctgcgtc cctcttgctt ctgtctttac ctccattaaa gcacctctct 180
caagctactt atccatggaa attttcggtg gtgaagctcc ttcttccttg gcttatattc 240
tagtggatgg ggcctcccgt atcctcttct cttttccttc cgatgcatct ccaggttgaa 300
aatcaccat cgaaagacct catttgagct taacca 336

<210> 24115
<211> 395
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24115

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aaagatgatg acaaagggtga tgacaaaaag ctcaaagatc aatcaaagaa caactcaagt 120
aatcaaaga tcaatcaaga acaattcaag agttcaacat aagaatcaag agaattcaa 180
gactcaagaa gaaagtctag agacaagaat caagatctca agaatcaaga tcaagattca 240
agactcaaga ttcaagaatg aagagaagac tcaatcaaga taagtattaa aaagtttttc 300
anaactttga atagcacatg agtttttgac aaaacccttt accanagagt ttttactctc 360
tggtaatcga ttaccagaat gtcgtaatcg attac 395

<210> 24116
<211> 379
<212> DNA
<213> Glycine max

<400> 24116

ttgcttaagc acgagtaaatt tgctacatgc ttaagcgggtg ttttaagggtgc atccttatag 60
tgtatgctta agaaagttat gcaaaatgct ttttttttta aaaaaatggt attccaagtg 120
tgataaaatg aatattgggt catgatatga gtatttatat atagtatgga gttaatttta 180
tgctaataatc atgcacttca cattcatatg acgattttga tgtggagatt gtaaaaattc 240
aaggagttgg atgtcttact atgcttaaca aactattgat ggattcataa gtgtgatgaa 300
tatatgaatg gttaatttat gatatgagca tttgatgaaa tattgatata atgaatagat 360
aattatattg ataagataa 379

<210> 24117
<211> 393
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24117

agcttctttg agaaaacttc cttgagaagc tagagcttag ttacactcac ccctctcata 60
actaagctca cctccttgag aagcttcctt aagaagattc ctaaagaagc ttgagcttag 120
ctacacatac ctgtctaata gctaagctca cctccttgag atgagaagct agagcttagc 180
tacacacccc ctataatagc taagctcacc cccatgacag aaaacattgt gataccctaa 240
tttcgtccgg ggacctttgc ttgatgacat gcgacctttc tttggtcctt gtgaggtgct 300

tggcatccat cattaggcca tntgtgaaag tccaggacat gccggagaac caaaaaatat 360
 tgatgcacaa tccgtaagtg tccgtgacac acc 393

<210> 24118
 <211> 370
 <212> DNA
 <213> Glycine max

<400> 24118
 tagctttaaa ataatatatg gcacttttaa ggtgggggtg ggggtggagg aaatagaata 60
 tagacatgca tgcatttaat ttcctactaa gataaagtaa caagctaatac gttgaatcta 120
 tattctgtat agttatgatt accatgtaga aaagcatccc tgcctcccta ttggctctca 180
 ataaaatctg atcatatatc ttgctcagtg ctaaaatcct ctttaattaaa atttcccctt 240
 ttagttatag acagtaaaca gccaaacttg gcacttttgc tgcaattgat ctagacaatg 300
 ccttttgtaa ttaaccattt atttaccgtg ctagatatga aacatgtcgt tatgtgggcc 360
 atggctgaac 370

<210> 24119
 <211> 386
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24119

tagcttgcca cccagctcgc ccaggcgagc taggttgctc cctccagaag caaccacctt 60
 ctggaggaat attgtggaag gcccaaattg gcctgggtgc tatttgcacc cccattttta 120
 ctaaatacac ccccttgctc ttttttggtg atttttttcc gtaacgttac gaaactttac 180
 gaatttcata acaatgcttg ttttctttcc gtaatgttac gaaaacttat ggattacgta 240
 atcatccnct tttttgcctt ccagaacgtt acgaaactat atggattgcg cactaacact 300
 tccttttaac tttcggcatg tcacggaact tcacggattg tgttacaatg ctttcttttg 360
 acttccggca tgtcacgaaa cttcac 386

<210> 24120
 <211> 344
 <212> DNA

<213> Glycine max

<400> 24120

tagcttgccct caaagagggtc caggaaggac aaggcggccg aaggaactag ttccgctcct 60
gagtatgaca gtcaccgctt tatgagcgct gtacaccagg agcacttcga ggccatcaag 120
ggatggtcgt ttctctggga ggcacgcac cagctcaggg acgacgagta tactgatttc 180
caggaggaaa tagggcgccg gcggtggaca tcaactggta ctcccatggc caagttcgat 240
ccaaaaatag tccttgagtt ttatgccaat gcttggccaa tagaggaggg cgtgcgtgac 300
atgagatcct gagtaagggg tcagtggatc ccgtttgatg ccga 344

<210> 24121

<211> 392

<212> DNA

<213> Glycine max

<400> 24121

agcttgatag gtggaaggag atgtatagaa ggagcacgaa attttgtgcc tcaattgagg 60
tttaaacttt gaagtgtaat tctcaaata tcaaagttta aaaaatgcac acacatgacc 120
tctatttata gcctaagtgt cacagaaaat tggagggaaa tttgaatttc tatttaaatt 180
tcacttgaat ttgaaatcga atttgtggag ccaaatttc actaattatg attagtgaat 240
tttagctatg attcaaccca ctaatccaag atcaagtcca agattctcca ctaagtgtgc 300
ttaagtgtca ggaggcatgt aaagcatgaa ggacatgcac aaagtgtgac tatatgatgt 360
ggcaatgggg tgtagcaagc aaatgctcac ct 392

<210> 24122

<211> 415

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 24122

ntcaactgaa tntacaacgc tccaatcaat ttcaaattgg tgtaatcgat tacaatatat 60
tggtaatcga ttatcagtgt gtttgaacgc tgaaattcaa attcaaatgt gaagagtcac 120
atcatttcac aaaaatgctt tgtgtaatca attaccagtg ataagtttta aacaaaaatc 180
aaaagatgta actattccaa tggttttcaa gttttttcta aaggttataa ctcttcta 240

ggttttcttg accagacatg aagagtctat aaaagcaagt ccttaacttg caattttaag 300
 aacaattgat tacaatattt tacctccttt gaatctcttt gaacatcctc ttgaatctct 360
 tcttctcttg agcgttntat agattaacga aggttagact aattaacgag aaata 415

<210> 24123
 <211> 394
 <212> DNA
 <213> Glycine max

<400> 24123

agcttctttg agaaaacttc cttgagaagc tagagcttag ctacacacac ccctctcata 60
 gctaagctca cctccttgag aagcttcctt aagaagattc ctaaacaagc tagagcttag 120
 ctactcacac gtctctaata gctaagttca cctccttgag atgagaagct agagcttagc 180
 tacacacccc ctataatagc taagctcacc ccatgacaaa gtacatgaga atacaaaaaa 240
 aaaatcctta ctaaaaaaac tactcaaat gcctcgaaat acaaggctaa aaccctatac 300
 tactagaatg gccaaaatac aaggagcaaa cgaaggaaaa acctattcta atatttacaa 360
 agaagagtgg atccaacctt gacccatggg ctca 394

<210> 24124
 <211> 408
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24124

tgcaaaccac atgctcacca ctactagaag agaagttttc aggttggttc atataaacct 60
 cctcctctat atcaccatta agaaaagtca ttttcacatc catttggtgc aactcaaggt 120
 caaaatgagc agctcatgcc aagataatac gaagagaata tttcttagat actagacaaa 180
 aagtctctct atagtcgatt ccttctttct gagtaaattc cttagcaata agtcttgcc 240
 tgtatctctc aaagttgcct aatgaatccc ttttggcttc aaagatccat ttacatccaa 300
 tggcctttgc ccatttaggc aactctacaa ggttcacaaac tttgttactc tgcatggaat 360
 tcatctcatc cttcatggca ttataccata natntgacac ttacaaac 408

<210> 24125

<211> 356
 <212> DNA
 <213> Glycine max

<400> 24125

agcttctcca atgtcatcag atgtctaatt gttaacctct tgaacctctt ctaactcgaa 60
 ggatagaatc cgagtaacag atggatcaaa gcagcaccaa acatgccata acacgtaaat 120
 tcagaaggac aaatgtggcg gataacataa aaggcaccat ctaactaggg cacattttaa 180
 tagtcaaaca acaatccaga tcctcacggg attagacatt ccatgcagat tttatgactt 240
 gctgctcgat cggccaagtg cacaacctcg aagagatgaa ttaccatatt atctataaac 300
 agctctccac tgatttctgc tgatatgaca gatgggtgat actgagcatc cacatt 356

<210> 24126
 <211> 431
 <212> DNA
 <213> Glycine max

<400> 24126

tgtggattat gaattcacia gttaaagat tacggttcca taagtttgc atggtaagtt 60
 tggaaaaaat gaaaaagtgc tgggtacaca agaaattttc tgtgtgcgca aagcaatttc 120
 cctcttacca tatcattctg ggcttattat ggatatgggc ctcaagaaat cgaacccaat 180
 ccaatggttt gaacaaatcc atcattctaa agtttcaact tcttctattg catagtatag 240
 ttaatagtat gactcttctt ccattcttat cggagccacc ctcaatttcc gattcattct 300
 caccgttaaa cccaacccta gccatggata gtctccaagc cacttacaaa gacgaagaag 360
 aagatgacga agacgaccca cagccgcaac caccaccaac caccgacgcc gattcactgg 420
 aagccccctcc c 431

<210> 24127
 <211> 206
 <212> DNA
 <213> Glycine max

<400> 24127

aatggcgaat ggcgcctgat gcggtatctt ctcttacgc atctgtgcgg tatatcacac 60
 cgcatatggg gcactctcag tacaatctgc tctgatgccg catagataag ccagccccga 120

<211> 374
 <212> DNA
 <213> Glycine max

<400> 24130

agtttggatc agtggttatgt gcatggcctt cctcaatttg agaaaggaag actcgtcctc 60
 ttctaattgc acaatatttc aggtcaagta aagggttttg agtttcatta atggggggaag 120
 tacagacatt cttgttgggtg cccttatcaa taatgacctc tttagtttca ctagagctta 180
 aagaactaac atcctgttct ttgtggagat gaacaggtaa cacaaaatca cgtatgatag 240
 aattgtatct tgatttcctt gacaaagtca atttatttta gaacaaatta cttaaccacg 300
 ttcacacaat tagcagagta atcaatcaaa tatagcacac aatcactgta tcaccttgaa 360
 gacacccacc tctt 374

<210> 24131
 <211> 380
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 24131

atggcnagat aaacgcagaa ccacatttct gaactacgag tgctgatcca gcaagtgcaa 60
 cgctcaata tgcgttatct ctgaatccac tactggtgtc tacaatgccg gtctatgcag 120
 atgatattat agagacaggg aataatccta cctctgtcaa gtctgtggtt tccaaacgca 180
 attacgagtt ctatgtcata gatgagcgag atcttgaaga ctatctaagc attgacgtca 240
 cttctcatcc tgaaagcaca taattctcac tcaacctaag tatgaatcaa acatatagggc 300
 tcatactact gtagatgttc tgagcgttgg atagaataac gaagggttaga ctaattaacg 360
 agaaatacgc cagtttagact 380

<210> 24132
 <211> 364
 <212> DNA
 <213> Glycine max

<400> 24132

tgttttgcct ttatggcttg tacctcatca ctttcttccg aagctttaac ctcattgtct 60
 ctcacagtct ttagatttgg gagccaatcc aatccttgtg tccggactct cagccactta 120

tgatagccgc cgatgatccc attactgctt cccctaagct ctctgtcctt tcttcacgcc 180
 gcatcccatg ccttgcgaac tccttggagt accctcgctg tgaggtcact gaaaccccg 240
 gcgatgaaag gcgtgatgct ttcgtctgat ggcaactctc tcatggggta gccaaagctgc 300
 cttatggcga ggacgggatt atatataata caacctcttg gtacatcagg ggaacatttg 360
 gaca 364

<210> 24133
 <211> 322
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24133

ngtacaatgg ccaaacatga tacatgttta ggatttgtat gtttcataga gcaaattggat 60
 gcctcacatt atttccatga cacataggca aaaacgagga tatggaaatg gtatgcaaaa 120
 ctgggtgatgc atgcacctat gcgagcagtt aaccgtcgaa ttagtacgga catatgatgc 180
 tgggcgctaa gatttatatg actttatatc caacgaccca ggggtcccgc tatctgatga 240
 tgtataagac cgtgcattca gccgagtgc ttagtaggcgc cccgggaaat ttcacagcat 300
 tctccctgga ggggttgaca ca 322

<210> 24134
 <211> 370
 <212> DNA
 <213> Glycine max

<400> 24134

tgtttagaaa ctttactgtt ggaaacttgg aaaagcaaag taaagaccat aaataatacc 60
 agaccctaaa gcttaattta agaaatagat tctgaaatcc attcaaagaa gacaaaacta 120
 gaatgtgaaa gtccaacaat atatatagat aaaattaccc atctcaactt tgaaaataaa 180
 ttaagaaaat aaaaagagga aactagctga ttttcttgct ttgccacaca agtataaaaa 240
 agcacagaaa caagggtata aatatagaat atataactaa aatgtagcaa tataacttac 300
 aattaaagtg attgctcttg tatcttcac caccattatg ttacatatt gtagatcatt 360
 gtgacaaaaa 370

<210> 24135
 <211> 420
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24135

tactagatct tttcaaattt cegtcattct agcctatctt tctgaagatg acttaagggtt 60
 ctgtttggat aaacttttct aattattact aattgcagaa taaaataaga aggtaacatg 120
 aattgaaatt ctcttataag ttacaatcaa cttatccaaa tcaactaaga aaggaaacag 180
 aggaataaag gaaggacata atctgaataa agccacatgt ttgaatgatc tgctgaagga 240
 aatgcttaga caaatttgaa atagattaaa tttagaaaag ggttttctac attgtaagat 300
 aacttcaatt tgttttcata aacttgagct tcttaaaaat aaaattcagt ctagacctcg 360
 ttgtaataag cctctgctaa aaaanttaca cctagacttg tacttggtgt catttntaaa 420

<210> 24136
 <211> 348
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24136

agtttgttct atatcagaag gctagttgct acaaaggcaa tgagttgcta attgaagacg 60
 gtgacaatgc tccactaacc atatatgcca aagcttgtcc tggtaactt ttcaaacatg 120
 agcttgaaga tttaaagcaa aagggttgagc tactaatat ggaccggtat gccatgaaga 180
 ggttctaaag actgaaggaa tgtttctcta gtatagaacc tgatgaaaag ttacctgcag 240
 atgcagttca ttatgaaatt ggggtgatgct atcaaaccct gaagcacact tgcttctctc 300
 aagaaactct tttcaaacat ggtgngtctg atcatacctt tcatttat 348

<210> 24137
 <211> 325
 <212> DNA
 <213> Glycine max

<400> 24137

taaaatatga attaaaacgt ccagattctg ctggttatcg attaccatat atgagtcac 60

gattacaccg tgcaaattat gtattcaaat ggtaataact gacgtaaatc agttatagcc 120
 actggtaatc gattacatcc tctggcaatc gattaccata gagtaaattt gttggaaaaa 180
 aaacttttta actttaattt cttggccgaa cccttagctt cttctattgg aattccatac 240
 ctatttaata taccttttct aagactctag aaattggcta gatcatccat cttaaata 300
 tataatttct ttgtcttaat aaagc 325

<210> 24138
 <211> 333
 <212> DNA
 <213> Glycine max

<400> 24138

tgtttgggct tggaagacat ctgaacagaa ttcatttatt gaagaattct aatggtagca 60
 ccaagtgcaa tttgatttga ctgaaaatga aaatagatac acaatcaaga taattaaaca 120
 gaatatcact agtaagcaga tttatatact tgattataaa atgaccaaaa atccctctat 180
 ttaagtaaca aaactcagaa tgtcaacaaa agcaaaagca gacagaactc aatttcaa 240
 tagcatagaa atagaggatt taaaagttag gacaataggc tgcagaaacc ttcaaaaatt 300
 atattacatt ctcatgatga atcaaacctt tgt 333

<210> 24139
 <211> 385
 <212> DNA
 <213> Glycine max

<400> 24139

taagatgatg tttctgatag aacagattgg aatcattcat aatgtttctt ttgacatcct 60
 tttttttcct ccttttattg ttgatatgca gtagatttga ctgattcgga aaattatggt 120
 caaccagttg atgataactt gctaacatta gataaagttc acaaagagga tgagggacac 180
 gatccttttg atgactttga aaccaatgca attggaaaca tgcttcctga tgatgaagag 240
 gaccttttag ctggcattat ggatgatttt gacctcagta aattgcccag tcaactggag 300
 gatttggatg aaaatgatct gtttgtcaat ggagggggat ttgagatgga ttttgaaccc 360
 caagagagcc tcaatatcac tatgt 385

<210> 24140

<211> 278
 <212> DNA
 <213> Glycine max

<400> 24140

ttttgcaagc ttctaagaat caagatcaag attcaagaat caagagaaga cttaatcaag 60
 ataagtatga aaagggttttt tcaaaaactg agtagcacat ggatttttct caaaacatgt 120
 ttaccaaaga gtttttactc tctagtaatc aattaccaga ttattgtaat cgattaccag 180
 tagtaaaatg gatttgaaaa agttttcaaa tgaatttaca acgttccaat tgatttcaaa 240
 aagttgtaat cgattacaat gttgtggtaa tcgattac 278

<210> 24141
 <211> 409
 <212> DNA
 <213> Glycine max

<400> 24141

tcaacgtggc accagccaat tggcaatggt gccatattct tccaaggagg ccaatactag 60
 agacattatt gcaaatttac aatgggggggt agaaaatatt gcaacaaaaa aaaatgtttg 120
 tatacctatt attaatcacc tcattggaag aaccattaaa agtgtcatta ataggtattg 180
 attcttgtaa ctgtgattct gaaaggccag tgttctttat tttattgggtc taaaaagtag 240
 ctgaggtggt tatatagcac ccgctggaca cttcgcatat aatatacata tatggagaga 300
 gttacgcgtt atcttggtg cggtggagct acttttcttc attcaagtta attaataatt 360
 atattcatga gagaatcttt ttgtttgaat attcgcctcat atattcata 409

<210> 24142
 <211> 372
 <212> DNA
 <213> Glycine max

<400> 24142

agcttccatc aagatgttag cctcttgagg ctttctttcc ttttatcttc tatgggagtg 60
 aggtctaaga tgtgacctat gccttccttc gtaatagtca cgaagttctt cacttaggct 120
 cttgcaagag ttatgactac tataggaggc atatttttct cttttcattt ctttcattat 180
 ttttcttctt tcttctctg ttattttctt tctttcatct tgacttattt attccactct 240

tttttttcct ttttcttttc tctcttggtt ttctttccat aacttgaggg aactcaactc 300
 atctaagatt ctagataaag ggtctttatg actagtagcc tcgccattaa cactagatga 360
 atgatgactc at 372

<210> 24143
 <211> 390
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 24143

agttttattc aagacaaaga aatcaaagat attcaagatg gatgatcaag acagtctcta 60
 gagtcttagc aatagaatat aaataggaag ggaattccaa ttgaagtagc aaaagggttg 120
 gccaaagaaat ttaagttaaa aagtcttttt caagagattt actctctggt aatcgattac 180
 gacagctatt aaaatttgaa ttcaaaattt gcattgagta atcgattaca catatatggt 240
 aatcgattac cagcaattat tgaacgtttt aattcaaatt ttaaagcttg taatcgatta 300
 cacacatact gtaatcgatt accagagtag attttcagaa aatattctca atagtcacat 360
 cttntatatt gggtcttgaa tggctatcaa 390

<210> 24144
 <211> 448
 <212> DNA
 <213> Glycine max
 <400> 24144

gacactctga atactcagct tgtaagatta tggggtaccc atcacatgtg gtactttgtg 60
 gcgattgggc gatggtgcac aacaagtttt ccacatccac aaatcgcgca taaaccacc 120
 atcctctgta gccacctgc aactgaactc acgtactacc acgtagccca tattctcgtt 180
 tctctcaaca ccagggtccc atcaatgctg ccaagctttc ccaacatcca agtgaatcaa 240
 cattcaaaca gcacaaacta tcaagccaa gaaaacaggg caaaggcaga aaactctacc 300
 caaagacacc aacaaaaatc acaacttggt ctacttaaa gaccccgatc acatttcctt 360
 cgatccaatt cgttgaccgt tggatcgact cagacattta ctggaagttt ctagacataa 420
 atctacattt tgaccgttgg gatctact 448

<210> 24145
 <211> 412
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 24145

 agaaacttnt tgaaagctaa ttgatttttt cacttgagat gttcgagctt aggtacacac 60
 acccgctctat tatctaagct cactctcttg agaagcttcc ttgagaagat tgctaaagaa 120
 gctagagctt agctacacac acctatctaa tagctaagct gacctccttg agatgagaag 180
 ctagagctta gctgcacatc ccctatgata gcgaagctca ctctatgac caaatacatg 240
 aaagttcttg aaatgcccta ctacatagac tcttcacaat gcctcaaaat acaaggctaa 300
 aaccttatac tactagaatg ggcaatatac aaagcccaaa caatagacga aaccattctg 360
 atatttacac agatgagcgg gctcttactt aacctatggg cttacaatct ac 412

<210> 24146
 <211> 392
 <212> DNA
 <213> Glycine max

 <400> 24146

 agttttatact ttgtagaagc attctacaca tggattgaat tatgttttta gaaattttaa 60
 ttttttttct agacttacaa gctctactcc aagcttgatt taaaccaaat attctttatc 120
 ttaccaaadc atcgctggct ctaaacaat caactagatt ttttaaaga tttcacaccg 180
 attaaaaagt atgattatct tacagatgta tatatcactt cacactttta ttatacaaga 240
 tgttttgaga ggactttgta tctttacaag aatttacaag aagctttaca taaaagaatg 300
 acttgatatag atgattcgtg tcttggtttt tcaaagcttc ttctatatat agtcttcac 360
 tcgaagtatc cattgtctct caacggatgg at 392

<210> 24147
 <211> 417
 <212> DNA
 <213> Glycine max

 <400> 24147

 taggatatag gagagcattc attctcccaa tgcattgatt accattactc aaatttgtct 60

cccgtgtcg gccatcccta agctgctcgg gtgatatgtc ctgcacctgc cttgggacgc 360
 agtacttttc gatgaaagct cggctagtgtg ggggcctgat gacct 405

<210> 24150
 <211> 371
 <212> DNA
 <213> Glycine max
 <400> 24150

agtttcacaa gagggtatgt tttctaatta gaggagcttt ttctcacatt tttatctccc 60
 attgttactt ttaattaatg gaacttttta tcatgtttat gagttttttg ctttctcttt 120
 cactcctttc aatgatttca cagtttttga atgactgcaa tgggtgcctct gtaccatgga 180
 agctacgtac aggtgctgct ctttcaaatt ccaaatactac gtgttttaaatt gttgttacgc 240
 ataatatgca tgtcataccc tatattcgct tggggactgt cattcattga tgtttttgat 300
 tctcactagc caaattgcat ggtttgacac tagttaccac acaaaatgaa ggatcattca 360
 atgttttgat c 371

<210> 24151
 <211> 321
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 24151

tgagatgacg aagcgtagaa aggggattct tcttgttnt attcngggac cacagagtgg 60
 tacctggaga tatgtcgac gggtcacaag accttgggga cgtcacgtgg ggtgctattg 120
 cccaaaacca atcttgacca atcccgaccc aacctggga taaacagtca gtgagaacct 180
 gtgatgtacc taagcaagct agctcatgtc tgtcgacaga ttaaataaac aaagaccaca 240
 aagcaatgag gcttgtgctg tggctggcca gctgtgaact ttgagttaat atgggatgtg 300
 gcctctggta atcgactacc a 321

<210> 24152
 <211> 348
 <212> DNA
 <213> Glycine max
 <400> 24152

agtttgtggt ttcttatatc tagagcaatc cttttggtga tccagcaaag cttctcatag 60
 agcagcttgt agctagagca gctgattctg ccggttattt tcaacatcta attctaaatt 120
 taattttatt ttcatcagtg taaatgctta tttgtcgtat actatgatta ttggatagct 180
 aagtaacgct catgcaggtc ttatcatgga agagttgatg aatattccag ctgggaggag 240
 aaggacgtac catgacgacg tgaccgcaat gtgtaatcat gctcgcgatg aatcagcgaa 300
 cttcaaaggc atcaacttgc atataagact tgccacttca taaaaaaaa 348

<210> 24153
 <211> 327
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24153

tgtttgcaaa ccattgattt ggtagaagat tcaaacccta gaagttgttg catgcacacc 60
 tcctcttcaa gaatgccatt acgaagtggg aacccataag tgatagctaa ggagagaaga 120
 agtcttacta ttatggactt gataataggt gagaaagtct ctatataatc aattctatac 180
 tactgatgaa atctcttggg cactaatgtt gctttttact ttntgaccga gccatctagg 240
 ttttctttaa ccttgaaaat tgacttacag tcaataggaa ctctattatg gggcaaggga 300
 acaagcaacc aagtgtcatt tttaatc 327

<210> 24154
 <211> 413
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24154

aaactcagct gcacaacata tactaaaatg tttttggtca ttataagtac taactaacta 60
 acttccacta atatatacag ttactactcc gaatgaaggt atgaaccttg attaggctca 120
 tctaacttac ctaattgaac taattacaca aagccatgcc caaattctca gcccaattat 180
 tcaagtgtag ttttgacttc caagcccaat ttgacaaaat tgaagctttc cagggactac 240
 tcacatngag catttggagt tttgtagtat tctataggcc ctacacaagg cagatagggt 300
 aagtaagcat aaaaatccaa aaataagcca caattatcaa ttgagctcaa tcattcttct 360

atgacgaaaa ctaagctaaa gtgagaatat atgggtcaaa gagatgtcta ata 413

<210> 24155
<211> 158
<212> DNA
<213> Glycine max

<400> 24155

agttatgctt gtttagactg atggcgagac tacggactta tacgcgcgag ctccccgact 60
aaccggagcc gggccccgac tttcgagggg cttctcccac cttatgaoga ctatccccgg 120
ctaggacatg gggtaggaga tacccatctt ggacccct 158

<210> 24156
<211> 412
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24156

taaggttnta ttcttaggag tggacattta taactttcag gaaatctccc aaggacttat 60
actctaacc atagtgat ataccgctaag ctcaccttgg caatctctca aaccataaat 120
aattctcagg tatttttcat ctttgatctt acaattgtga tttcctattc ttttggaatc 180
gttggtgagc aaaaatatac tggaaaagaa gatgcacatg ttgtcacaaa acagaggaaa 240
tcaaggatc ttacaacatt cttgctgtgt aagagaacat tttttgggcc aaaagggtag 300
gaaatcatga tagatggtaa catgtgaatc atactgccga ccaattagat gggtgctagt 360
gtgaattcat tgaattttat tctgtataaa tagccgtctg agaaagtgat ta 412

<210> 24157
<211> 360
<212> DNA
<213> Glycine max

<400> 24157

tgtttgcttg aacagtgaat tgggtgaaaa tgatatgcag tggattgttt tgtatgaaat 60
gagtgtctac gaatgatttg aatgagcaat tgtataattt gaatggattg taatgattag 120
ataattgttt tgatcaagct tgtagcatt agaagagaat gagcatgtga ttggaagtat 180

gactaaaaat gttagtcagt ttgtcagatt gattgtgaag gaatgcattg accatatccc 240
 ggtgagagtg tgatccttaa attttgatag aaacaactat catttagtac tgatttttgc 300
 atgaatctct gaagtatgga ctgaatgtat gaaattgagg atgatgaagg ctatgtttga 360

<210> 24158
 <211> 392
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24158

tgccatgcga tagcggagag tttggagagc catctttacc tangggtggt cacgccaggc 60
 acatcgacac atgagctgat cgaagaatgc cttaggattg ccaggagtgt cacacaagac 120
 gagctagtat atgttagttc ccgatgcagg cagcgcacag atcagtcgta gtttatttgc 180
 acattttata ttgaaatttg atgtatatgt taggattgcc taatctaact taatggatga 240
 tattaggatt gtgatcaact cgctgcctat taaataattt ttgaaaagt gtttttttaa 300
 atatgtttta aaatttaatt attcgttata ctaggtataa ttgtaagcac ctgggtgatg 360
 ttctctatat gaatcgatcc aatcatgaat ca 392

<210> 24159
 <211> 333
 <212> DNA
 <213> Glycine max

<400> 24159

tgttttatcct tatggcttgc ctccggactt cccccccgt gccaccccg aagatttaag 60
 ccaagccctt actttcgagg ggcaactccc accttatgac gactatcccg ggcaagacga 120
 tgaggaagga gatacccatc ttggccccct gctccacctc aaagatccgt ccccccata 180
 actaccccaa ctgaacataa tccgccatat cccggcctca cccacacccg taaaagaatc 240
 tgttcccttc gcggaagata agggaaagat tgaggcgctt gaagagaggt tacgagcagt 300
 cgagggccct tgcaattacc cattctcgga ttt 333

<210> 24160
 <211> 398
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 24160

tagccacac tccagacatc ttcttgatgt tccctattgn cagatcatgg acaagtgtct 60
tgccaagtgt tgaaccaact ctcgagaaga tccaacgggt aatgaaagct gggaagcgtc 120
tttaccgatg caacttcatg tagctacctc aagaagcttc attaaaatgc ttcctcaaga 180
agcttccccg tggcttcttt gagaaacttg ctcatgaaac tacatactta tctatccaca 240
accttctatt aacttaatta acctccttga aaataattac cgatccaaaa tggcataaca 300
gattatcaaa catcaaacat aattactaat tagctatcta tatatatata tatatatcgc 360
ggtgttacia atgctacctt cataaagggt tttatgtc 398

<210> 24161
<211> 231
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24161

gaataagcca tggaagaaga agtttcacca ccaagagagt gtcttggata aaaagcttaa 60
agaggaagct tcaatggagg aagagaatga gaaagagaga gagagagaga gagagagaaa 120
atgacgtggg aatgaaggaa agataaggag agaagtaaac tttaaaaagt gtgtctcaca 180
agactctaatt tcataaagn tatgacaaag tgtaaataatg tgtctattta t 231

<210> 24162
<211> 402
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24162

gcttaggtnc taggagagca ttcattccata gataaacctt ttctttttca ttcattcact 60
ccccatactt gccttttatt taggcactca acttcatttc attattttgc agcatacaca 120
cttattaatt tcatttgtac ttacagtttt tctttttgac acaagatata cagaaatagc 180
gtgtgtatgc tatttacttt gaccatttca attcttacc agtgcttccc ccagatttgg 240
aaciaattta ccgtgataat tacttcccc aatttgggac aaatttgctt tgaaccacgc 300

ttactatgga tgatgctctc ctacaacctt agccaaagta gcatgagata acactgtata 360
 agctcacggt tcaagtcatt aataatacat tcagctcaaa ct 402

<210> 24163
 <211> 259
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24163

attttattgg attatgggac attcgncata tgtggaacta ggtggngacc ggccaatggt 60
 gcaaatcaac tctctcattt ccacaggcca ggcaaaagca taccatccca gttgccacc 120
 tttaacttga gctcacgcac tcctacgtag acctataact cgttcctctc agcaccgggt 180
 ccccatcaac cctccaagc ttctcaata tccaaaaaat tcgatttcat ttaccatgaa 240
 actaccctaa accaagaaa 259

<210> 24164
 <211> 430
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24164

ctaagcttct atgatgtggc ggggtggggcc tctntggctt gttgtcccat tcgcgggcct 60
 tggcctttgt tcttcttttc tgagatattt ttccttatgt cagcttacgt aggtttatag 120
 cctaaccxaa acttcgcgtt gtttctcttg gtgcttacca ggctagttct gccaccgttg 180
 ttcttgccca aaccattcc gggtcgttag ccgtacccca acatcacccg ggccaccatc 240
 attgtcgtat cagacaggcg aggtgcca aagtgggaat ctacggaggc aatgcttact 300
 acctcaaaag attggaaagt cgtttccaac gactcctccg cggattccac atatggcata 360
 gaggaagggc aacttaccag gacgtcttgc tcacccgata ctatgaccaa atgtccctcc 420
 actacgaact 430

<210> 24165
 <211> 372
 <212> DNA
 <213> Glycine max

<400> 24165

agcttccatc aagatgttag cctcttgagg ttttctttcc ttgtatcttc tatgggagtg 60

aggtctaaga tgcgacctat gccttccttc gtaatagcca cgaaggtctt cacttacgct 120

cttgaagag ttatgactac tataggaggc atatttttct cttttcattt ctttcattat 180

ttttcttctt tcttcctctg atatttttct tctttcatct tgacttattt attccactct 240

cttttttctt ttttcttttc tctcttggtt ttctttccat aacttgaggg aactcaactc 300

atctaagatt ctagataaag gggctttatg actagtaccc tcgccattaa cactagatga 360

atgatgactc at 372

<210> 24166

<211> 429

<212> DNA

<213> Glycine max

<400> 24166

tagcccacac tccagacatc ttcttgaaga tcccattggt cagatcatgg acaagtgtct 60

tgtgaagttg taaaccaaata ttcgagaaga tccaacggtt aatgaaggct gggaagcggt 120

tttaccgagg caacttcatg tagcttcttc aagaagcttc attaaaaggc ttcctcaaga 180

agcttccccg tggcttcttt gagaagcttt ctcaagaaac tagattctta tctatccaca 240

accttctatt aactaaatta acctccttga aaataattac ggataaaaaa taacataaca 300

aataatcaaa catcaaacat aattactaat aatatatata tatatatata tatatatcag 360

ggtgttacaa atgctaccag cacaaagggt ttcatgtcaa gcaaagacag atttcacaat 420

aaggaatct 429

<210> 24167

<211> 324

<212> DNA

<213> Glycine max

<400> 24167

agcacggaga gcaagcttag agtgagagca cagtgcagag aaaaagcacc atcgaaatgc 60

cataatgcag tttaatagca caaacgataa tgtaactgcc ataggcagtt atgccttatt 120

tttggcagtt ttgaatgcct cgcttaacgt gtcaactcgc taaacgagca tacatgatgt 180

ttaagtttcc aaacacatgc gcttaggggg caaactcact tagcccaatg ccaaaattca 240
 tatgttcag agtagacttt gggcttagcg cgaagagttg gcttagcaag ttttgcattc 300
 caaattggcc tgcaactctc gctt 324

<210> 24168
 <211> 414
 <212> DNA
 <213> Glycine max

<400> 24168

tgaaggcaaa ctggatgcat tggttaactc ggtaatttag ctggtcttga accataaatc 60
 tgtacctgtt gcaaggggtt gtggcttgtg ctctctgct gaccaccata cagacctttg 120
 cccttccatg cagcaacctg tagcaattga gcagcccgaa gcttatgctg caaatattta 180
 caatagacat cctcaacctc agcatcaaaa tcaaccacag caaaacaatt atgacctctc 240
 cagcaacaga tacaaccctg gatggaggaa tcacctaat ctcataggt ctagccctca 300
 gcaacaacaa cagcagcctg ctctcttct tccaaaatgc tgctggccca agcagaccat 360
 acattctctc accaatccaa caacaacaac agctccagaa acagtcaaca gttg 414

<210> 24169
 <211> 431
 <212> DNA
 <213> Glycine max

<400> 24169

ttcagcagct gaagatgcc ttaaattgct catcgatcta caatttctca ctcccaaatg 60
 ttctatgtaa ctgcaagata ctatggatga tgctaaattt gtcaatttta tacatcgata 120
 aatgactaag cgctctatcc tctgaagaag tgggtcatgc tcgaatccta tctcttctaa 180
 agacaacaaa ctctttaatt ccaactcctt aagttgcata acaacaccta ttttatcacg 240
 tgaaatgagg ctggcaagag cccaaatact tttcaagtga caactccca atgttaagct 300
 ccttaaattg ggaagtctat gaagaaacca aaagagaatt tcagtattct tcaattcata 360
 caagacaagt ctctgtagtt tgtgcattct gtgaacacta acaatgtatt tctgcaacca 420
 ctctgcttcc t 431

<210> 24170

<211> 326
 <212> DNA
 <213> Glycine max

<400> 24170

agttttttga atttgattgt ggttccaagg tgaattttcg tgcgaggagg atgagacata 60
 acgaaacgcg taggggcgag cattcgcaaca tgtgcgcggg ctagtggcat ctacaataac 120
 gtgtactgac ttacaatgcg ctaggtatctt tgattattca aatcttggag gtgttctctc 180
 atatggacca gtagcggtttt tcttttttct gaattggacc actagctcgt ctctctggtc 240
 taaaataatg atgtttatct ttgttataga ttatctacat atattatttc atgcataaac 300
 ttataacgca tgcattgcacg ctcat 326

<210> 24171
 <211> 329
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24171

agtttgagta taattcattc ttgnggtgt gagccaacat caaacatttg gattattgat 60
 gtttctgtca caatcaagcc attattaacg ccccatatgg ggtgcaatgt gggccagggt 120
 ttcgttctat agaatatatg gaaatattgc tgttgattct gaataagtga tcatttttct 180
 ttatttcaaa attattgtct cctaataaat cgagtgtcga tcttattatt ggtttctcat 240
 atttcaatca tgtcttggtt aactgcttga tatattgtga tgatgatatt ttgtttacga 300
 atagagaaag actcactggt gtaatcaca 329

<210> 24172
 <211> 398
 <212> DNA
 <213> Glycine max

<400> 24172

gtgaatgagg ctgaagaagc tgctgcttat gttcattaag atcaggtgga gattaattta 60
 tctcagcctc atttgcaca agatagtgc atggagttga tggtaaataat ttgtcacaac 120
 aaagtagttt tatctcaacc taatttggtg cagcactcca tttttatata ttacaattat 180
 tcatgtttga catttacatg taggtccctg caactattgt tccaccaata gcaaggaata 240

agctaaccat aacaagagcc aaacaaagga aggttgctga taaagatgat gcagaaaact 300
gaagaagcat tttttgttgc attttgaagg ttgctgaatg ttgctgaaga cccatttttg 360
ttgcgcattt tgaatgttgc tgatgaagaa aactgaag 398

<210> 24173
<211> 116
<212> DNA
<213> Glycine max

<400> 24173

ggcttcccaa cccaacctg tacttggaac atggcatgtg taacttcac ttcctttagt 60
gtgtgactca atggatccat ctatggtcac tgcaaagggc aatgccagtc ttaaca 116

<210> 24174
<211> 383
<212> DNA
<213> Glycine max

<400> 24174

tcttggctct taatacgtg caaaatcttt gacgtctttg aatgcgtatt tagagcatat 60
ttgtagctca tcaaaaatat ggggtcacia attgccccca aaaaatgtct gcttcgatcc 120
gagatcgaag gaagatgaga agttcacatc ttttcttctt ctaccacttt tctgaaatg 180
gcgacatgat tgcacgtatt actggtaacc gtcgcctcga tctccacta cccatcatta 240
attccacttt tctaggcaca aggggacact tgtcacgtg gggagtcga aaggaaatct 300
gattcgattg aatctcgacc atcgattatt attaaaatgg ctttttcgct taagagtga 360
tactccataa atagcgcaaa gaa 383

<210> 24175
<211> 256
<212> DNA
<213> Glycine max

<400> 24175

tgtgtaacat tctttgtcga gcgggtccgat atattacggg actcaatcga tcatccgagt 60
aaaacgttat tgacgttcga atatgctcat agactccgcc ttcaatttag agagtgccga 120
tatattacgg gactcactgg aacatacgag gaaagcctta ttgaccgttg aatctgctta 180

gagcttcggtt attcaatttc aagcgtctgg atatattacc ggtctcagtc ttacatccga 240
gcaaaatggtt attgtc 256

<210>	24176
<211>	287
<212>	DNA
<213>	Glycine max

atcttgccgc	cacggagttt	tccgactatg	ctcttgtgtg	gtggaacaag	ctacaaaagg	60
agagagcaag	aaatgaagag	ccaatggttg	atacatggac	ggagatgaaa	aagatcatga	120
ggaagcggta	tgtgccggct	agttactcaa	gggacttgaa	attcaagctc	caaaaactaa	180
cccaaggcaa	caaggggggtt	gaggagtatt	tcaaggaaat	ggatgtgctc	atgattcaag	240
caaatattga	agaagatgag	gaggtaaacta	tggctcgatt	tcttaaat		287

tataatatat	tattacgctc	gaaattttac	atcagtagct	ctcgagaaat	gcaaattggtc	60
ataaacttttc	acccggatgt	ccgattatgg	cgaatcacat	atcgagacgc	tcaaaattga	120
acaacggaag	ctcttgagaa	attctaattgg	tcataacttt	taactcggat	gtccgattca	180
ggcgcattac	atatcgaggc	gctcgaaaaa	gaacaacgga	agctctcgag	aaattcaaat	240
ggtcataact	tttcacactg	atgtccgatt	caggatcata	atatatcaag	acgctcgaaa	300
ttgaacatcg	gaagctctcg	atatagtcaa	ttgggtcatca	ctt		343

tggagaattt cacttgatgc aacctaatac acatgggatg tagagtcagt tttccacaa 180
aagaacggaa ctgggttgca accttgatg cgtgattgca ttagatatgg aaaggaaacc 240
aatttgaata aaaatacgtc ttgcgatcaa atagcataaa aaaaaagtat cacgtatctg 300
taaagatcta tgacaaagat tagtcagaag ttcattagcg caaataaatt caagtatata 360
cttat 365

<210> 24179
<211> 406
<212> DNA
<213> Glycine max

<400> 24179
atgctctctc ctactcagc ctaagcagat aaatttataa gctctccctc ttctcactt 60
ttctttttcc ttctcctcca ttctccattg aaaccccaac aaagctccaa cctttggcca 120
tcatttctgc tccaaatcgc gaaaggaagg cattttcggg gtcgtgaagt gcgtggctac 180
gagtgggact tcgaaaattc acgtttgggt ggacttcttt ctctttaat tttcgtgggt 240
atgggggttg gggagatatg atgggtagtc ttgctaggtt tctgctgtgt gatgattatt 300
tgtgaagaca tttgctgaaa gctgggtgaa gatgccatgt ttggatgagt tagacatacc 360
cattctgatt tagggttttt gtgatgatgt ttgagatgtt tatatg 406

<210> 24180
<211> 362
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24180

acgtgagnga ncggcggcan accagaaaca cgaaggagag gaaagagaca cggggnncaa 60
ggcaacaaac cgaggaagag anangaacag ccancaaggg gaggnnggn gagcagcaga 120
aagaaaccaa cccagaacaa aacgngagc cagacacact cagaacaaaa aaatgcttct 180
tgcttttctt gcatgagatg gaatgctcat cctgcactgt atgcactagt catacagaac 240
atgatagtag tgcataatatt gagtgcacga cctcttattg cttgaantga tccataatcg 300
actgcttatg acaaataaat gtcttacatg gatatttcaat atctcctatg ctacacgact 360

<210> 24181
 <211> 391
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24181

ntgatttctt ctgttccgga aacctttctt ttctcatgtg cacccaaacc caatctccgg 60
 gttcgaagac aaccttcttt ctccctttgt tggcttggtt agcatagctt ttacttttcc 120
 tctcaatttg atctttgact ctctcatgaa gcttcttcac atagtccgcc tttgcttgac 180
 cttctttatg cttaaaaaaca gaaacattag gcaaaagatc aagaggagtt agtggggttaa 240
 aaccataaac aacttcaaaa ggagaacaat tagtgggtgct atgaacagct ctattgtaag 300
 caaattcaac atgggggtaaa caagcttccc aagtttttaa gttattcttc aaaactgtcc 360
 taagcaaagt tcccaaagtc ctattaacaa c 391

<210> 24182
 <211> 388
 <212> DNA
 <213> Glycine max

<400> 24182

agcttgaagg taaactagat gccttggata tcttggtaac ccaactggcc ttgaatcaga 60
 aatttgtagc tgtcgcaaga gtctgtggtt tatgtctctt tgctgaccac catacagact 120
 tttgcccttc catgcaacaa cctggagcaa ttgagtagcc tgaagcttat gctgcaaaca 180
 tttacaatag acctcctcaa cctcagcagc aaaatcaatc acagctgaac aattatgacc 240
 tctccagcta cagatacaat cctggatgga ggaatcacc taatctcaga tggcttaacc 300
 ctcaacaaca acaacagcag cctgtctctt tcttccaaaa tgatgctggc ccaagcagac 360
 catacattcc tccaccaatt caacaact 388

<210> 24183
 <211> 432
 <212> DNA
 <213> Glycine max

<400> 24183

actcagctca acataaccac ttcgggtgct ggaactactt tacatggact tgatggggcc 60
 tatgcaagtt gaaagccttg gaggaagag gtatgcctat gttgttgtgg atgatttctc 120
 cagatttacc tgggtcaact ttatcagaga gaaatcagac acctttgaag tattcaaaga 180
 gttgagtcta agacttcaaa gagaaaaaga ctgtgtcatc aagagaatta tgagtgacca 240
 tggctgagag tttgaaaaca gcaagtttac tgaattctgc acatctgaag gcatcactca 300
 tgagtttctc gcagccatta caccacaaca aaatggcata gttgaaagga aaaacaggac 360
 tttgcaagaa gctgctatgg tcatgcttca tgccaaagaa cttacctata atctttgggc 420
 tgaagccatg aa 432

<210> 24184
 <211> 393
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 24184

agcttcttat ccaaggctca tcttgggtgg gaagctcctt cttccatggc ttattcccta 60
 gtggatggcg cctcctctca cctcttctcc tttgtcttcc gctgcatcta catggtgaaa 120
 aatcaccatt aaaggacatc attgaagctc aaagatccat cctccataga agccccacaa 180
 gcaagcttcc atcaagtggg aatcagagca taagagcttc aagtaggtgc tccttaaacc 240
 tccattaatc agagcataag agcttcaagt agcttccctt tggttctctt ggggtcttgt 300
 atataactct atgatgnttt tagtgtattt ttgctttaat gtatgcatga gataaatatt 360
 tattcatttg atgcacacaa acacctacac ttt 393

<210> 24185
 <211> 422
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 24185

tcttagtctc acctgatnga attgtggcta cttcatgcac tcctctaattg acaatagcat 60
 cacttctagc actaaattgc tgggagtttg aagccatctt ctcaattaaa tttctggctt 120
 cagcaggggt catgtctcca agggctccac cattggcagc atctatcata cttctctcta 180

tgttgctgag tccttcataa aaatattgga ggagaagctg ctttgaaatc tgggtggtgag 240
 ggcaactagc atataat tttt ttaaactctct cccagtattc atataagctt tctccactga 300
 gttgtctaata gcctgaaata tcttttctga tgggtcgcggt cctggaagca gggaaattgt 360
 tttctaagaa tactctcttg aggtcatccc agctcgtgat ggaccttga gcaaggtaat 420
 at 422

<210> 24186
 <211> 393
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24186

agcttttatt tatgaacacc atggacagac cttaatatgt gtggcaacag acatggcaat 60
 ggatggcaga tgatatcata ttcaatcata gaaaagaaag tgattntata tattctaaat 120
 aaatattggt tgttcataat cattatgttt attattttgc taatcacagg tattcgctt 180
 actgaaaagg aaacaattca tttatgctta actgagattg agaatatgct acaagcaaac 240
 agaaggagct tgcgatattt tccatccatg ccatacccaa taggatatgc acganaccaa 300
 catcataata atctgatcca taatgaaatg acatatgaca aagaaatggt agcagaacaa 360
 tacaacacga cataccaatt gctcacaggt act 393

<210> 24187
 <211> 429
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24187

taacaaactn tntttatagt ttgagtttga ttnttttctc taaatttttt taaaaaaact 60
 tgaatttgac ctttatagta aacaagtcga gtcgaacatt aaataggcca aaacaaagac 120
 atttgacaaa ctgcttgact cattttctc cctaattatg acattaatta catgttataa 180
 aagagtcaaa ctttttaatt atattaaatc taatacgaaa aataaggaaa atgaaaaaga 240
 attatcattt ttaacacatg tgggtgattaa tttgtatata ccattcaaaa ttctttgtct 300
 aaaatgtag ctataattca aatagaaaat taaatnttgt ataactcaca taatgcgtgg 360

atttaagaag ccaccgtatt catcttgcaa agcttgggga agatcccaat aaaaaagagt 420
cacaaatag 429

<210> 24188
<211> 389
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24188

agcttctatg atctccaaac ttgatgccaa tctcctgaaa ttgaatatta tggtagccaa 60
ccatcgcccc ctgttttctt ctactgtgta gtcaccatca atagacaccc ccatgtcgac 120
tcctcttctt atgtcgactc cgattccatg cccacaccta tgccacctac tctcgacccc 180
aagccagcac cactcccat ggtagctacc catggaagct ttgtaatgaa gtcacgcatg 240
ctcgagcatg ccgggtccat ctctttccat tgccaacaat tttgtttctc ctctctcaat 300
ttctctccct ctcaactctg tgacgaccag aggaatgttc atagtcacag ttgtggaagc 360
aaagctttcc aagtttattn ttgatgatg 389

<210> 24189
<211> 415
<212> DNA
<213> Glycine max

<400> 24189

gttgcaaagc acaaggaagc accaccagat gaggatgatta acctgttacc aggttcaaata 60
gaaactttta atgattgtat gtttagctact tctctatttc acaagaccac cagggtccta 120
cctctacatc gacaagggtt tgcttctac accctcaaaa gattccacac ttatgatcat 180
gatggcctat tcatacttcc acaagtgcag gagcgttgca tagacaaagg caaacaagac 240
atacataaat agcgcaaaat ttgtcatcga aggaaagcaa atgcattgaa gaaaaatata 300
taatttcata gttgcaaagt ctatacaacc aaaatgcagt agtgaagaaa agaataaaat 360
aaacaaaagg caacctaacc ttggggttca tcaacaccct actcctccct agaac 415

<210> 24190
<211> 385
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 24190

agtcttgctt gtggagcttc tatggaggct ggatctttga gcttcaatgg tgattnttca 60
ccatggagat gcagcggaag gcaaaggaga agaagagatg ggagacacca tccacaaggg 120
aataagccat ggaagaaaaa gcttcaccac caagaatgtg cctcgaataa gaagcttgaa 180
gaggatgctt taatggagga aaagaaagag agaaggagg agcacaaaat tgaaggaata 240
aaagaggagg agaagtggaa ctttgaagtg tgtctcataa gactttcatt catcaaagtt 300
acaacaagtg ttacacatgc ttctatntat agattaggta gcttccttga gaagctagag 360
cttagctaca catacctctc taata 385

<210> 24191

<211> 430

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 24191

ntagtcttca tgttggtcat gttgttcccc tatctctaac acttcttctt cttcttcttc 60
tgtgaaacta gtttagcatg agggcatata ggcagtttgt gacatatgat tgtaagggtga 120
atacctggca tatcagatga ttggcatgtg aataggtttg tgttctgctg taggacatca 180
gctatacatt tgtacttatg actggtaagg ttcgtgttaa gctgtgtaca ttgcctaggt 240
ttgggtccga gctatagctt gacaagttcc tcaataggct ntgggcctnt gttaatagtg 300
tcgtcacgca aatccacatc gaatatgtta tcttgatctc ccatacttgc tttgtaaatt 360
gtcgggggttc ggattgggga cccgtcgtcc acgctcatga cttgactgct accaccagat 420
gtgagataag 430

<210> 24192

<211> 324

<212> DNA

<213> Glycine max

<400> 24192

agtttgtagg attatggggg acccatcaca tgtgggtacta tgtggcggtc ggtcgatggt 60

gcacaacaag tttttcacat ccacaatgcg cgcataaacc caccatcccc tggtgcccac 120
 ctccaactga gctcacgtac tcccacgtag cccatatact cgattctctc aataccgggt 180
 ccccatcaat cctcccaagc ttccacaaca tgcaagcaaa acaacattca aacagcacia 240
 gctatcacag ccaagcaaaa cagagcatat gcagagaact ctgctcaaca catcatacca 300
 aatcacagct gttctcactt aaag 324

<210> 24193
 <211> 521
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24193

cccgccacac gagaggagg cgaagaatgg gtgacgcccc cccccacag cggatagact 60
 tgaaccctga acncngaac naagaaacnc aagcggcaac aacgagaagc angacgcaga 120
 gtgtgcacac cttgtngcaa aaccgcggcac gagtaacaag ctcaaagatga 180
 agcccaataa ctatcaacag tgaatgagag gagggagggtg agacgctcca agaagaacia 240
 cagaactccg acaaagataa cataacgccg acgcgctaaa cgctgacacc aacaaggcca 300
 cggaaggacc tgtgtacaca ggcacgttga cgccgggtgtc agaacaacac acagcgactc 360
 cgacggacta gtgcgcgcag gcactaggaa tcagatgtat gcacgcacac actggtggaa 420
 gcggggcgact gcgaggaacc agcgcacact ttgacaacia agacagattg gtgcacaccc 480
 acatgttagg aagcccataa agcgcgagta atcaataggg g 521

<210> 24194
 <211> 278
 <212> DNA
 <213> Glycine max

<400> 24194

tggcaatata caaatactac aaggctaaca acatagaata tgaatacttt gctatccgta 60
 gggatttcaa aagataataa aactaacgca gagaaacact cgaacacaag gagggtcac 120
 cttgtatgag gcacactcag tatcccttat aaaagcgaga gcagaaatga ctagctgcaa 180
 ttctgtgatg cgggaggctc cccatggcgc aagatattac ctagcatatg cgatagcttg 240
 taaatcgtgc gcagctgtta ctaactctat gaactctt 278

<210> 24195
 <211> 463
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24195

ctgaccatag aacttagacc tcgggaacng agaaactcag ctgcgaggag tgtagcgagg 60
 acatgcggttt aggctgttca tatcttggaa cgagacgacg catagtccac cgtcttaatg 120
 taccatgtta tcgaaagagc gaacgtaaca tgtcgttcac tatcgcatte tgtccatgcc 180
 tacactctta gcgctggatc acctttgcta cccttaactt ccaagccatc aatgcaattg 240
 ttgaactgac agactcctgt gataattgag gctctggcgc aagaagggtt aaatgtgagc 300
 tgtggcctaa ctgaacccca aggtctctct tgtgccatga aggatgtcct gacttatcta 360
 ctcgataatg gacatgcccc tagcttatga tagacttgcg tgtagacgac tcggccgctg 420
 atccccatga agtttgacct tggcgcctgg acatatgggc tgg 463

<210> 24196
 <211> 307
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24196

ttcttangga ttctatcagc ttataaacgc ttatttcagg ttaactagta cacaagtcta 60
 aggcacaaat atttggcact tttttgtctg acattatgaa attagtgtctg tctaagctta 120
 aaactttggc ttgtaactaa gatagtatta tggactacta gttggattaa gcttacaatg 180
 tataaggata taacagaaga gttattgtgt aacataaatt ttttaaaaaa ggaaattaaa 240
 atatagctct gcgaaatgca aatataccac ctatgtgtct gttcaagaag ctccttcgtc 300
 tttttta 307

<210> 24197
 <211> 421
 <212> DNA
 <213> Glycine max

<400> 24197

tactggcata caaaagttcg agcagttttt atctcttctt gattcagcat catccgcctt 60
ctatctgcc aagagaaaaag gagaccaatg aatgtgtaag tcaagatctg ttgacatagt 120
cagtgtacat cagatcaatt tacaacaatg actaaatttt aaaaatattt tgcaaaattt 180
actgctagac tgaaaagttg cattgtacat gcaagttaat gtaaaacaga aacctcaggg 240
tgtgttaggt atgtgttgac attttcagtt gatataattt caataaattt ttcattttta 300
tttcatttca ctgcaaatgc attggagttc tattatggta taattctgtt actgtcactg 360
ataatcagat gctgacttca gcaatgagtc acattgccca gctatatata tccgggtctt 420
t 421

<210> 24198
<211> 281
<212> DNA
<213> Glycine max

<400> 24198

agtttcccat gtttataagt tcttactcaa aactgtccta agcaaagttc ccaaagtcct 60
attaacaact tacatttgcc catcggcttg agggtgacaa gaggttgaaa ataacaattt 120
agcgcccaac ttgctccaca caatcctcca aacatggctg aggaactcag agcccctatc 180
actaacaatg ctccctggca aaccatggag tctgacaatc tccttgaaaa acaaatcagc 240
cacatgggaa gcatcatcaa tttttttaca tggaataaaa t 281

<210> 24199
<211> 421
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24199

ctatatcaaa ttntagtaat gatccactaa cctagtatta atttaactta atgccactaa 60
cctaggaat taaaagaact taatggctga gtgtaactga aattgtggca accaaaagtc 120
acccccaaca gtcattaagc cagccaccat ttggtttccc aaaaggctga tgcctaggtt 180
gccaatggg cccttattac aacttgaact ataccaaaact aaagcccttt tagttgatta 240
acccaaaaca tatttttggg ctaccaactt tacaaggatt gggtcattat ttagacaaac 300

taaacacttt aaaatcgaga taaagtgggtg ccatctaata ctctccatt tggaccatga 360
 tacaactgac aaccttggac ttttctcctt gaaacttggtg cttgtactca aatagtatgg 420
 a 421

<210> 24200
 <211> 322
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24200

agtcttttga gaaagcttct taatgaagct tctagagaaa gctacatgaa gctgccttgg 60
 taaaaaccct gtcaggcctt tgtagccgt tggatcttct cgacatttgg tttgcaactt 120
 tacaagacac ttgtccatga tctgaccgtt gggatctttg agaagatggt tggagtgtgc 180
 tagaagcatc cgttcccgag agcatctctt atttaagcat ttcctcctt gcttttgtgt 240
 agctgaggaa aaacatcatt tcttcttctt tctttcttcc aaagccatnt ctaaagttcc 300
 aagaactttc tccatcacac ac 322

<210> 24201
 <211> 413
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24201

tgcctatccg atgcagcagt aatgatggcc cgagttatgt tgtgggaacg gttacgaacc 60
 cggaatgggt ttaggcaaag acaacggcgg cataactagc ctgataaatg ccaaaggaaa 120
 tcgtgggaag tgtggttttag gctataaacc cactcaggca gatataaaga gaagcatcgc 180
 gggaaggaag aacggtgggtc aaagctcgcg attgagacaa gaaagtgaag gaagcccgcc 240
 ctgccacata agtagaagct ttataaacgc gggctctggga gacgaatgtc aagtggtcgc 300
 gatatacaaa gatgatgttc cgagtacatt ggatttggtg cgaccatgcc ctntgattt 360
 ccagctggga aattggcgag tggaggaacg ccccggcatt tacgcaacga gca 413

<210> 24202
 <211> 526
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 24202

tgcncgttga aaccttgaga actcanggtt gatccctttg agngccctcg actatctata 60
ggagcgaatt acagcgtcgg taccgcgag atctctatca agtncgatcc tgcagtgtat 120
gcagagcata tcatacaggtg actaacatcg tgccactcat tatacctata gatgtcctgc 180
tcgacgaagg agtgagcgtt gtgacatgt atctcatcaa tgtgcaagaa actataatgt 240
ctcataaatc agaacatgct tcaagactca gcgatgattc aaagattcac cgatagacag 300
aatgcacatg atatcaccgg tctatggaat gctcagaatg atcaaaagggt ataaaacgat 360
gcctaactat atctatgaaa tgtcctatct atctcatgat ccacggagtg tcagccagat 420
ggatcgcttc tagtcataca ctacatgtct catgcacaca actaagtgac ttgtcatggt 480
aataaatgtg gatgattgaa ctaccactac cctcaagggt atcccn 526

<210> 24203

<211> 412

<212> DNA

<213> Glycine max

<400> 24203

tcacaacctc tgacattggt ctaggcaacc agattttcca aacttttagga ggaaaagtgc 60
agcgacttct gccgtttgtt tcgcgataag cgcgcctccc cctccgtctt agcatcgtct 120
tatgtccttc cctccactca gagcgcttca tcacctttgc tacctttccc tcccaagcca 180
ccattgatcc ctttcaaagt actgtctccc gagaagttag cgactcacag tgagaagggt 240
atctatttca actgtgacga gaagttccgt caaggtcaca aatgtgcctc caaggtcttc 300
ttgttgatcg tcgaggaaga tgatgatgcg taggagtatc acaacctttc gggcaagagg 360
actcgccacc cgaccacag gaggctttca cctcaacccc agcccaaatac ag 412

<210> 24204

<211> 319

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 24204

agtttacatc tgaaatgtaa aaaatcactt ttgaaatgtg aaatcaaacg tattaagtac 60
 taatttgcta ccttcgtaca taagttttat ctaaattcca acctcttttt ctgcattat 120
 ttggattgca tgtgatattt ctagcattca tgcagtcaac taatcagaat tgttggatga 180
 taattagatg gctcatttta tcttgatgaa ttaatccaac ataaaacatg catctgagat 240
 gtgaataact agatgtacga aggtagcana ttagatgata attagatgcc tcattatata 300
 gtcccgattt catccaatg 319

<210> 24205
 <211> 415
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24205

tgtagagat tgctgaaaat tgtgggagat tntggtttgg attacaagcc tacaagtgca 60
 gataaaaaga ggattacttt ggaaaggaaa gagaaatgct tagctcgttt acaagggcga 120
 gaactgcggg tagagagggt ccttatctac cacatcaatg agagctttgt gagtgcaggg 180
 tggatgtacg aagattaggt tgctatgctg gatgaagata ccgatcagga tcagccgaat 240
 tgggtgcagc catgtcccc agactttgaa ttgaaaaatt ggcagatcat agagcaaccg 300
 gagatttatg tttttaattt gatgtaatta aacaatttag gacccatta ctatgcgtaa 360
 ggcttgagga ttcacatatt gtcaagcgta ctttcctttt caattccaat gatcg 415

<210> 24206
 <211> 337
 <212> DNA
 <213> Glycine max

<400> 24206

agcttcaaca ttcaatttcg agcgtctcga tatattacga gactcaatca gacatcagag 60
 aaaaacgtta ttgtcgtttg aatttgctca gagcttcaac attcaatttc gagcatctcg 120
 atatgttacg ggactcaatc agacatccga gaaaaaagtt attgtcgttt gaattagctc 180
 agaagttcaa cattcaattt cgagcgtctc gatatgttac gggactcaat catacattcg 240
 agaaaaaagt tattgtcggt tgaatttgct cagaggttca acattcaatt tcgagcgtct 300
 cgatatgtta ccgggcttaa tcagacatcc gagtaaa 337

<210> 24207
 <211> 431
 <212> DNA
 <213> Glycine max

<400> 24207

tggatgcact aaattatcat aataaaagac tgacccttat atacatagag cattccgcat 60
 gtctccagaa gttgcagcta ctttctgcaa agtgcagttc taattacgct ttacatggta 120
 tatatattca agatgaatta caatagcact ttcttaagct cctcttttca ttaatttatt 180
 taaaacataa taaaatggga cttgatgcac cttacatgag aataaaaatg attgcaaagc 240
 attatTTTTT caaatatata aatggactca ccctagcaca tagttccagg gctagctggt 300
 ggaaaacact gtaaggaaat tcctggtgat gaaacacaag gatattaaca ataatcatca 360
 acaagaagaa atgcaacatt tggctcacat tctttatgcc acgaagtcag taaactatTT 420
 aacaaagcat c 431

<210> 24208
 <211> 483
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24208

tgccccgtgc agtgcagcct tgaaanncn nttgatgcct tgacgctcta cggcgaattc 60
 aactcgctac ctgggatccc tcatattgtc ctgcaaacad gcaattgttt cgtatgagaa 120
 gcctcgact ccaccacca ggcctaatat tggtagctat accaaaccgc gcattttagg 180
 cctaccata ctctcttagt gcctcatatc cctcatccat gacgaaagat caagaagcag 240
 atacctcact aatgttagaa atagttcttc ataaggcaaa aatctatggt gtaatggacc 300
 acctgctcat cgtactcgat tacacaattt gaccgacgct agcaaagtta tgtctgcct 360
 tgcgttaatc aaatacaacc ttatcataac tgagtaagac gaacctaccc cccaacggca 420
 ttgtcaagcc ccattcacng gtatncttcc ttataacaaa tgcccaacat cccccctcc 480
 ccg 483

<210> 24209

<211> 471
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24209

acacgtagct ccgattactc cattgaaatc tttgacactc tacnaaactc aatgctagca 60
 taatacatgt taatgatgta catctacaaa atttttagcgt gtattttatc acccgacgcg 120
 atatgcaaca gtattgatat ccggatctca tcttcatgac actcgttact gatgcaacaa 180
 ataccttact ctattttggc taaaaataat agggcgctact acgtgacctc ggctcgtaga 240
 ctgcgctctga tatctaaata gcattatatt ctaccgctgt catgctaccc ttagaattcg 300
 aggagaaacc tttacctaga tagatacttg gctcggaaaa ttagaggctt acacgtattc 360
 actgcaaaat cgcattcact gtccgacatg aaatccagac attgctaaga agaattattct 420
 ttttacaaga ctcataactca tgctctcctt ctgttcaaaa tctgtaatat t 471

<210> 24210
 <211> 467
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24210

ggagcgtaan ctgatgcatg aacactctgg gtagtncagt gagacctcga gaacctctag 60
 agncgacctg ctggcacgcg ggcttctatg agttctacct cgtgcagcta ttttctgccc 120
 aacggaagaa ccttctctgta ctgtgaaaga tgacgatata agcactgact tgccccatcc 180
 tcaataagaa tatgcacaga tccactcgt tctctagcag tattggattg aatggatgat 240
 cagtgcaga gatgccttct cccatcatga gggtagcga gacgagcaaa ggtatactta 300
 gttggatgaa gacagccaat cgtacataat gcgataggca tgtgaataac ctgatgtacg 360
 attgtcgctc acgatgttga aagcgacagg cctggctaata gacacgcatt cactccaatg 420
 gcctcgcgat ctgacagggc ccatgcctcg agattatgcc gtacaan 467

<210> 24211
 <211> 355
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 24211

tctgaattct gtgggtcaaga gatngaagtg tgtggctcat tccaattata ttctgaccat 60
tgacttttgct gactttaatt aatcggtctt ttatcatatt ttgggcaatt gttaattata 120
tattgttgcg atactaaggg tacctcgttc agcaattctt tctccctaaa agtatccctt 180
gtatgaaaac gaaattttgg aatacatttt gattttcgct acaaaacaaa ggacgaccga 240
caccaacaaa gggtgaaata atgaaaccac agttgcttgc tgaagaagat aagcttcaaa 300
tctttgaagc ctgttctgta ttattttatt acattttcag acaactaggt catct 355

<210> 24212
<211> 332
<212> DNA
<213> Glycine max

<400> 24212
atctttgata taaagcattc tatttgttat gatcctactt caaacaatgg aattactgat 60
gtttttgtca caatcaagtt attgtcaaca tctccatatt gttgtacatt gcgatcatgt 120
tttcgtttct agaattcatt tgaaatgcat gttgctaatt ctaaataagt gatccttctt 180
gatttaaaac ttaccgtctc ctaatcattt aagtgtacat tttgttatgg gctgctcatc 240
ttccaatcat gtctagttaa actgcttgat aatctatctc gttgttactt ctactaccaa 300
tagagagaga cttcattctt gtctatcacg tt 332

<210> 24213
<211> 441
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24213

gaaactcaag canggagagg atgcttcaat ggatgaaaag aaagaggttt gatactgtgt 60
gaggggggag cagcacatcg aacgaagaga ttagggagag aacttgaact ttgagttgtg 120
tctcacaaga ctctcattca tcaaagtgac aactagtgtt acacatgctt ctattcatag 180
actaagtagc ttccttgaca agctttcttg agacaacttc cttgagaagc tactttgaca 240
aaacttcctt gagaagctag agcttagcta cacacacccc tctcataact aagctcacct 300

ccttgagaag ttttcttatg aagattccta tagaatctat agcttagctt cactaaatga 360
 acgcactata aaattatgta taattgtcga tatacaaaac aagttatact tattatatgt 420
 gaaacacaaa ctactattaa t 441

<210> 24214
 <211> 314
 <212> DNA
 <213> Glycine max
 <400> 24214

agtttatcct tatggctagc ctatgcactt cacacctcca tgccatcctg gaagatgtat 60
 gccaaagcccc tactatcgag gggcaactcc caccttacga caactatccc gggcaagact 120
 atgaggaaag agatacccat cttggccccc tgttccacct caaagatcca tccccacatg 180
 aactacccca actgaacata gttcggcata tccaggcctc acccacaccg gtaaaagaat 240
 ctgttcccta cgctgaagat aacggaaaga ttgaggcgct tgaagagatg gtaacagcat 300
 gccagggcct tggc 314

<210> 24215
 <211> 228
 <212> DNA
 <213> Glycine max
 <400> 24215

agctcggaga aaaacttgaa gtttttttgt attttacatg ctggaatccc ttgaagagca 60
 ttattattgg atgctatatt aaatgtagca tcttagtcca tatcatatct ttagtgcac 120
 atgcattact atgagtaaga catagcagaa gtttctatgt tagaaatgat tcttcagaac 180
 gcacaaatct atgttttaaat ggatcacaag cttatcgtaa tcgattac 228

<210> 24216
 <211> 363
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24216

tgaacaacta tcttgatga gtcctcatgg ctcgtttatn ttactnggcg nngcagngca 60
 acgatgctgg ccgtagaggt ggtgaacgac ctgtacttca gaacatcgtc ccttacctat 120

tcaaagccaa caatgacagg ggggacgatg gcgaccaac actatggcta cgacgcacgt 180
 gtagggacgc cataacatcc ctaccacttc tccttgctcc cccagaaata caaggagggt 240
 gaatcacagt gaccgagata ggttcctcgg ctatggaagc agtatgaggc tgcgctcttt 300
 tgcgaatgcg agaaatgcag tcaccattac cacatgaaat cctcaacctc tcataggaag 360
 aag 363

<210> 24217
 <211> 307
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24217

atcttattat gtttactatn caaaaatcaa tgccccaac ctatcataaa taattgactc 60
 aactattatt ggattgcgaa aaagctcgga taaacatcaa actaaaacat tttttaatga 120
 attgaatttt aaaattatta tatataatct taacaagtcc ttgtttcaat taactctaaa 180
 ttttgataca ccatatgaat aacgattatg tgtcccaact gaaacatttt ttttatagtt 240
 tcctcctcat gttaaaaagt attatcctaa atttacttat atctaactaa aacaaatact 300
 catcatt 307

<210> 24218
 <211> 193
 <212> DNA
 <213> Glycine max

<400> 24218

aactcagctt gagtagaggg cctaaagatt ttgaattttg aattggcctg aaggaatgag 60
 atggactgcg ggatcagtct atgaacagat tcctattcga gtattctctt tgccaagaca 120
 ccagctggaa tccgctgtcc atcaaacatg tagcaaatcc tcaccctctc ttgttcttcc 180
 aggaaaaaaa tga 193

<210> 24219
 <211> 168
 <212> DNA
 <213> Glycine max

<400> 24219
 agtctctcat gtctggctca tcgagcggga gaagctactt attccatggg acacccctta 60
 gaggaaggca cctcctcata cctgtacaac tttgtcttgc actggatgtc catggtggaa 120
 ctgcaccatt aaaggagctc acggcagctc aaagagccat cctacata 168

<210> 24220
 <211> 153
 <212> DNA
 <213> Glycine max

<400> 24220
 ccggcagtta tgccattttg aaaacactac agcctatgac ctactacaga tagtatattt 60
 gcggaaggac actatgttat gcttgctgcg taaatgccgg ggcgttcctc cactcaccaa 120
 tttcccatct ggaaggtgat gagagcacgg tcg 153

<210> 24221
 <211> 149
 <212> DNA
 <213> Glycine max

<400> 24221
 gtgcagaaga aaatgagaaa tgccacatta caccgttttt ttttttcaca catctcgaaa 60
 agagatgaga gctctagggg gaatgtactt catgtaaaat gtgtcatatc agctattgat 120
 attgtaatca tcgccttgct gaagaattt 149

<210> 24222
 <211> 367
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24222

tgaagaaagt ttgtctttca tatgaccatt tctnttagtg acattngtat tgattgctgt 60
 attgatagtt gaatcttact ctctatattt tcatatgtac accatgcac attatgtaga 120
 agaaataaga tgtgttctaa agttagaaac ttctttacca cattaaactc tatgttttaa 180
 ttgattacca agcttatcgt aatcaattac acaagtgttt atagccggca gagagattct 240
 agttgaggtt taatcgatta catagtttag ttgagacaac gactggattt tcatgagtct 300

atgctttaat cgattatcat ataatcgga gcgattactt ctttggttaa agtgtctcta 360
gaagtga 367

<210> 24223
<211> 317
<212> DNA
<213> Glycine max
<400> 24223

ttatgcaatc tagtattttt gagctcgatc ggatcatctat cctggccgac gccgactgtc 60
atttatttcg atcaatatcg gtgaataata tttttttgcc gaggtgggct aatgttttcc 120
tgccgaata aatgggaaca cgccagtttc ggccgaaaca aaacatcggt tgagctcgca 180
cgaaaaaacc tagccgacct acattgtaag ttttttatgc aacaccgaca aaaacaaaac 240
tttcctgtc ataagaaaaa acattatcgg ccagcgagcg tttttttaa aaaaaaatgg 300
gcaatgtcgg ctgaaaa 317

<210> 24224
<211> 398
<212> DNA
<213> Glycine max
<400> 24224

aagcttgagc cactaaacga cattaacggt ttctcttatg tctgatcgag tcccgtaaca 60
tatcgagacg ctcgacattg aacgttgaag ctctgagcca atacaaacga ccataacttt 120
tttctcagat gtctgattga gtcccgtaac atatcgagac gctcgaaatt gaatgttgaa 180
tctctgagca aattcaaacg acattaactt ttactcgga tgtctgattg agccccgtaa 240
catatcgaga ctctcgaaat tgaatgttga acctctgtgc aaattcaaac gacaataact 300
tttctcgg atgtctgatt gagtcccgta acttatcgag acgctcgaaa ttgaacgttg 360
aagctctgag ccaatacaaa cgaccattac tttttact 398

<210> 24225
<211> 386
<212> DNA
<213> Glycine max
<400> 24225

agtttatgag gatgaaactg agttgaatgt tatcttggtg aaattgtgaa aaaattggaa 60
gtcatgaagc tgttaaaact tataatgtac ttaataactc tgtagttaac tacagatttt 120
gtagtacttc cttgaaaacc acattgggtg ttgtatttag tggttttcct tctttatcat 180
gaataagaat tttcaatcta gtttttctct gaactcttga cacaacgaca ccagaaactt 240
gttagacttt tgacaagcat accaattgtc agtgcattgt acacatttat aaaaagagtt 300
tgtctccaca aggacttgag ttacttgact catttggtata aagggtatca gttcaatagt 360
tatgtacaaa tttaatcaaa tgcat 386

<210> 24226
<211> 382
<212> DNA
<213> Glycine max

<400> 24226
atctgctagt gtgtgtgcat gggcaatcaa ttgtctgtac tttagaatat gcttcatcgg 60
aggctgcccc acaatgcttc aagttctgtg taacaagcaa ttcaaagttt caaattgcgg 120
ttegctttta actgctacca atgcaatatg taatcacctg caaatacagt tgctgctgca 180
tctactgcaa taagaatgtt gtggccatag cagattaaat gtcaggcaac attagtgtgt 240
tttaaatcaat gaaaatgatt atttactaac gacagaacct tttttttagg aatcaaacca 300
atgaacctaa tgcatagaaa aacagatttt gtcattgtat atgcctgtta acttgcttat 360
atagacgcac catgaacact tt 382

<210> 24227
<211> 389
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24227

agtttatgag tcaactgggt attatgtttg agcatctgaa ctcatggaat actgatgaag 60
agttccaaaa caagaagaga accaggtgtc aaccatgtcc agcttatctc ttgaatttga 120
gttgcccccg atctttgtat gatttggcct ttgagccatc aaaaactgtt aaatttaagg 180
tatagctttt cttggcttcc cttttcatga cttattttat cttttcagta catcaatgag 240

gcgagactgc attcttgttt ccataaatga tttttgtagg gttttggtct agattcangc 300
 ttttatgtta tacatcacgt actctgggtg gtgtaaattt atattaactc caagaagcaa 360
 taatgatcag agattttgtt tcccatatt 389

<210> 24228
 <211> 383
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24228

acacctgaaa ctaagcatgt aactaagttg agttgtaaat taatgctttt ggatttttcg 60
 catgataaag ngaaaccaa ttttgaagta atatttacgg cttacattca agtgggtctat 120
 caaaagaata gtgattatct agacaatttc gaataaaaga ttaatgtttt gcaaaaatat 180
 attttaaatgg tttcgggtctg gatcatcaaa gaacaatggt aaaactaaaa cttgtaatca 240
 aatacaatct atgaacacaa aatcagagtt cttgtgagaa tgagtgatat gactagtcac 300
 ggggtgaactt aatgttcctc ttttaatgcg ataaccttaa ttaaactaga tatttatgta 360
 atttttataa atgtctaatt ata 383

<210> 24229
 <211> 358
 <212> DNA
 <213> Glycine max

<400> 24229

agttttgtcc tcagatccct cttgttggac tttacttaga ccaaacaaca ttattgtaac 60
 atcatactta acaccatgac ttaatccgca gatccctctt gtaagactaa gtttcaattc 120
 tgcttcattc aagttctaata gcaacaatac acttgccaat gttaaaatca cctaactagg 180
 cacacagatg gttgattaga ccaagagcat acaaaattta agcactgaaa gaagcattga 240
 acacaagaaa cacaatcaat tagatatgaa aataattaca ttagttgttc attagaaatg 300
 cccaacaagg gtgttttagcc agccattaca gaagataccc taacaatgat gagcttac 358

<210> 24230
 <211> 426
 <212> DNA
 <213> Glycine max

<400> 24230

tctcatgtaa gatcctgagt accttctgga gtaggttatc cttactgctg attcagagctt 60
tctgttatga actaagacta agctactcta ctaaactaca ctaatgggta tcttcataat 120
tcttctatgt gccttttcat tcattgcttc atatttatag gcttacattg ctattgatac 180
ttaacaaact aacaattctg ttgtaacaga attgaaggag cactatggct atcccctaac 240
aaaatagtgg gcttagtgca attccttatt ggtctggtag ttgctaggct gctattgcta 300
tcaataccca ccactagaaa accaaccttg tccttaaggt tgagcaataa aaacaagctg 360
aaacaggtgg tgggtttaga aaaataagag aggtacatga gtcaagttgc ttttgtttgc 420
gggctt 426

<210> 24231

<211> 392

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 24231

tgtctgacct gtgtgcttag cgtgttcata attntttggg gtttatgggt ttttgatgaa 60
ctctctaagc ctgacctatg tgcttagcga gttcatgcct ttcttagaat atttgctggg 120
ttttgatgaa ctgctaagc ctgacctttg cgctttgcaa gtttctgaat tttcttcgta 180
atTTTTTgggt gttctagatg aacttgctaa gcctaaccg tgtgcatagt gagttcatga 240
ttttttcttca tattttctag gttttttata aactcactaa gcccgcacct gcgcttagcg 300
agttcttttca tgtgttcata gtctctaggt tntttgtgtt ttagtgacct agttaagcgt 360
gtcaagtcgt gctaagcccc aatgcctttt tg 392

<210> 24232

<211> 412

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 24232

ttgaccaaac ccncagcagc agttgggtcc ttagatTTTt cctttaccct tgnncctgag 60
actgaggata attgcattgc gtgccttctg cagtaatgtt ttcttatccc catcagccat 120

catcttttca agtttggctt ctccatctag tgcttccacc aagccctggt ggacaagaag 180
 agctctcatc ttcaattgcc atagcccgaa atcattttgc cctgtgaatt cttcaacctc 240
 gtacttgggc gagcccatct ctagaatcga actcaaaaaa tcgctccacg ctcaccacac 300
 caatttgttg taccaagatc aaatcgact tcacaaaaga atgagtttct tgtatgaaca 360
 agaataagca caatgcagaa aagaaaaaaa aatgaacgaa cactgcactg tg 412

<210> 24233
 <211> 386
 <212> DNA
 <213> Glycine max

<400> 24233

agtctttatc tagccaagat tattcttagg tgttacaaga gaacctaacg gtttctaatt 60
 atatgggcca tcaaattctat catgtgttga cagtaattga ttagcccatg aatctcctcg 120
 ggggccgtac acacttcggc catggctttt gctttggcta atagacgcg gaggtcttga 180
 cttccattca aggtcaaggc gaacctatcc atccacatag tcacttcttg atgcaatgca 240
 tcaatcacc tccctcttgc ttcttttttg gcatacactt gtgcaaaatc ctccgctagc 300
 ttttgttcat gggtcacaga ctgggttcaac tcttccttgt atttcctat gatagctagc 360
 atgctttgct ccatggcttc caagtg 386

<210> 24234
 <211> 427
 <212> DNA
 <213> Glycine max

<400> 24234

aactcaagct tctctcaaat gagatgacaa tcaatctcta tatgctttgt cctcttatgg 60
 aagactgggt ttgaggcaat ataaagagca acctgattat cacaatacaa cttcatttgc 120
 aactcttcac aaaaccttaa ttcttgaaga aattgtttga tccacatgag ctcacatgta 180
 accatagcca tagatcgata ctgagttct gcactggacc gagcgacaac agtttgtttc 240
 ttgcttttcc aagagattag atttcctcca atgaagacac aataacctga tgtaaacttc 300
 ctatccatgg gacatccaac ccaatcaaca tcacaatatc ctgatagttg cgtactaccc 360
 ttggcttcat acaacaaccc ttgtccacga gctttcttaa catacctcag aatagcatg 420

acaacat

427

<210> 24235
<211> 370
<212> DNA
<213> Glycine max

<400> 24235

tgtttgtgca cactatcatc tctaataattt tagcgaatat tattagagaa caaaattatg 60
actttgtcaa cattcacttt ttggtctgaa ctggtacaga aaatgtctag tattttcttt 120
atggcattag tttgctccaa gtttattttt gcaaaaagta aaagatcatc tacaaaggca 180
aggtaagaaa ttaatatcaa gggatataat aaaaaaatat caagggatgc aaagaaatta 240
atttgaataa aacctaattc aagggtattg ttgagtgaag taaaacaaca tcttggatgt 300
gacaaattgt aagtttgaat tttcgtacat ctcttttttt ctttttttgc ttctttcggt 360
catctctttg 370

<210> 24236
<211> 518
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24236

ccgcccgcac ccncacacca agactcgaaa taggaaaata ctcaccctcc ccnccccccc 60
acagagggggg ataacctgag acctagaanc aggacacaag aaacncaacg nncaaagnnc 120
cacaacacac acaaatatgg cagatgtgga cgacaacaag ggcaacggaa aggcccaaca 180
gcatacatga acaacgcaca cgaaggggcg ccaaggggtga ggacacacaa ccgcactcca 240
aacccttggc acagacacaa gcaaccacga cagccccagc cgcaacgcaa acacggaggc 300
ccaagcgcca aagacaccac acagacgagt gacgatacat cccccacaa caggaagaac 360
gcgaaaggac aacacggcga cacacaacaa gagcgaaagg gcgcgaacaa gaggccacac 420
acacgcaagc ccgatcgaga agacacgcaa aaacgacaca aaaagaccac acgacaagca 480
ggagaagaac aacacaacga ccagacaggc gaagagcg 518

<210> 24237

<211> 375
 <212> DNA
 <213> Glycine max

<400> 24237

agtttatccc tcaattttct ataaataggg ggagaagtga agtagaaaag ggttcagccc 60
 cttacgcact tctatctctt tcgaatttgc ttatgaaaat tgtttctgtg aagaaaatcc 120
 aagccgaggg gcttccgtaa cgtttccgcg agtgatttcg cgaaggtttt cgaccgttct 180
 tcgacgttct tcattcgttc ttcacgttcc ttcagttctc aacgggtaag tacctcaaac 240
 caagcctttc aattcattct atgtaccggt ggtggaccac atttggtatc atgtattttt 300
 attctcgttt tcattgactt tttctaccca cttttgacgc gcttaagcca tttatataag 360
 gcattcctcg cttaa 375

<210> 24238
 <211> 430
 <212> DNA
 <213> Glycine max

<400> 24238

gacctataaa actcagctta acccctttta aagaaggctt taatgcttat gaagatttaa 60
 caatcaattt aataattttc tttaaacgtg caagataaaa ttgattgcaa taaaataaat 120
 aagataaggg aagaaagaat tgcaaactcg atttatactg gttcggccac ttcattgtgcc 180
 tacgttcagt ccttaagcaa cccacttaag attttccact atctctgtaa atcatttaca 240
 gactttgaac acaccttggg attccttacc cttgtgttca agattttcac actccaagag 300
 acaccccgtc tcttgattac aactgagttt ctgagatgaa cagaaagatc tctctccttt 360
 agagtggatg atacaaattg aagatcctag aggaaatttc ctctttttaga gatgataata 420
 cagattgaag 430

<210> 24239
 <211> 371
 <212> DNA
 <213> Glycine max

<400> 24239

tgtttgggag gattgatggg gacccggggg tgagagaaac gaggatatgg gctacgtggg 60

agtacgtgag ctcagttgga ggtgggcaac aggggatggt gggtttatgc gcgcattgtg 120
 gatgtggaaa acttgttgtg caccatcgcc cgaccgccac ctagtaccac atgtgatggg 180
 taccataa tctacaagc ttgagatgag gaagtgttga agggtgaaac ttctgcttt 240
 tattgttgac cacagagtgg tacctggaga tatgtcgcg gggtcaggag accttgggga 300
 cgtcagggtg ggtgctattg cccaaaacca agcttgacca atcccgacc aaccgggca 360
 tagtcggtca g 371

<210> 24240
 <211> 499
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 24240

agtggtagat gaactttgag acgtagaagn cagagacaca tagaatctca agcttagatc 60
 aattcaaagt gccataacgt tacactcttt tgtancgacc acgcgcatga tatatcggag 120
 gctcttcgat atttatcaac aagcagcgct ctcagaatat cataatgggtg cataactttc 180
 tacttcagag gtgccgatct catgcggcat tatatatcag acgcttctcg aaataagagt 240
 caccgaatg ctctcgataa gatctaatac gggacataac tgtttacctc gnagggttctg 300
 attcaccgtg tataatagat tcgacacct cgcgacttga acctccggaa gctccttgag 360
 aaatttcaca tgacatacac gtctaactca gaggcaccac tcaggcgcat actatttga 420
 cagcctgga actgaaccgg cgattcgctg cgagaatccc aatggtctaa cctctcactc 480
 gagattcctt cccgcgcac 499

<210> 24241
 <211> 447
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 24241

cgtcattgag ctttgaacac tnnttgatcc ctgagaccct ggacnccaag agnncacgag 60
 cacgcacgca ggttgctccg agcgacagc ttttgcattg ctgagacct aaacgacacc 120
 agaggcgggg taccgacaca gccctgagag ctggagccca aacaagcagg cgatgaagaa 180

cgacatgaat caaagacaac tacatacttc tatcacctgc gctcaagaac agagcagaag 240
 cctggtcagt gaatccaagc gcaatatatg ccactaaaat aggaaaccag cgtgaacaag 300
 gaaaggagga cctctatcac catgtggcat cctgggtagc acgggaaaca acaacaccga 360
 ctggaggact aggtccgtaa aaggtccacc agaaggaccg tgaaaacacg agataaaaacc 420
 agaaagaaac gacacctcag catgacn 447

<210> 24242
 <211> 190
 <212> DNA
 <213> Glycine max

<400> 24242

ggcggcgata tgcgtgcgga aatcatgata atcgtatata cactggttta atagtgtcct 60
 gaacccatt ctgaagatcc tttaatggcc gcaatgcgga ctgtgatata atctagcaat 120
 ccctgcaaaa ccacaatcta atggcagtag ggatacaaga cgctaagggtg ttataatctc 180
 accggccttg 190

<210> 24243
 <211> 303
 <212> DNA
 <213> Glycine max

<400> 24243

agttttccga tcaaatacag tagcatgcat tttttttttt aattttttta accagcaaatt 60
 attttgttgt taattagtta attttttttag tcagaggact agaattcata ttcttcctta 120
 tagcatgcat ttttttattt ttttaaccgc aaatatattag atgctaata ggaatgttct 180
 tttttttctg tgagatgatt gaaatgtata ttactccttt acttcgtctt ttagcatata 240
 tgcattgaat gtaagtggga gctggattcc acgaatgaat ggctatgatt ctgatggatg 300
 tgg 303

<210> 24244
 <211> 407
 <212> DNA
 <213> Glycine max

<400> 24244

tgtgcctcgt tacgtttgga atatgaatgt tgcatttata tttaaagacc cttaggtgct 60
 ttgttgatgg cttcttcctg tttcaagctt caattggagt cttgtctttt acagacttag 120
 ttggacatct attgagtatg taaacagcag tgtagactgc ttcagcccag aatgtattaa 180
 gtagtccctt ctccttgagc atcaatctag ccatttccat aactttgcca ttctatctct 240
 cggacactcc attttgttga ggagaatatg ctactataag ttgtcgctca atgccttcat 300
 cctcacaaaa tctttcagac tcgcgagagg tgtactcttc gtcgcgatca cttcttagct 360
 ctttgatcca tttccacttt gatttttagca aggccttgaa cttttga 407

<210> 24245
 <211> 362
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 24245

tgtttgccac tgcagcagtt aagtgaacaa atgaagtgtc cacagtcatt ggatggatgc 60
 ttggtagagg tacatgctaa taactaataa gatttctctg gcagggtatc attgtttttg 120
 catgactgat ggctaccttg gggctggaga ttttggttga atctgcctca agtgttattt 180
 tgaaggtaat tgagataatc ttttgatgct gtttgcttat tatataccta aatttggggt 240
 gaagactagt tattcaacat gtggattatc taccataata agtgattcta tcatttgagc 300
 agatgatatt atcatttgac cttgctnttg ctttgattcc gtccttatag ttcagtagca 360
 gc 362

<210> 24246
 <211> 368
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 24246

ttcctctatc aacctccatt cttcatcaat tgcaattatg acgacncaa ttatacaacc 60
 ttcgaaaata tcttcgaaca caatgacatg atcaaacggc attttgtcta tcaagagtat 120
 cattgtgcca taagagagcg ccatataatc taagcatgtg ttaattttta aaaaaaatt 180
 actcttagct atagcacgta aattcataca taaatttgct catacaatta tgcgattcta 240

aagggtgtaa atccttgagt attataaatg aacttgtaag cataatccca cttttatatt 300
 acagacgaga aaatatcatg actctagtga tctttttgca ttcattggga aaagagtgag 360
 ctaataga 368

<210> 24247
 <211> 278
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 24247

tgtttgtaga ctctagaact acaccaatat cnggtactt atagattcat gaaatttga 60
 tcttaaaaaa ccaggcgatg atgaacgaca tgaatcaaaa acatcataca tacttctatc 120
 .accttctttc attntctgag cataagcttg gtaattgaat ccaatcgtat tttttccac 180
 taaaatagga ttccagcttg gccatgtaaa ggtgttcttc taccaccatg tggctccttg 240
 gggtgtcacg gtaaacaat atcacctttt tggaagtc 278

<210> 24248
 <211> 419
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 24248

ntntcagttt gactgtaaca attttcatat ctctattaga gctaaatttt gaatatcttc 60
 attgttttagc tgcaaatcta gggaaaagat agattatttt gaaatcagag ttgtaattta 120
 aaatagttaa ttaaattata acataccatg tatgttgcac aactaacttt ttagtagaga 180
 attccgtcta aaagtcaccc ccattgttta ttccatacat ttatgggtcta ttaatgttgt 240
 tggataagag catcatttca aaaaacttcc tcgaatagtg tctgaaccc caatccttgg 300
 cttctttaat ggccttaatg tattctctat cattagtcaa gaatccana gcaaacatt 360
 cttcttgga agtgggataa catgttgcta acagttctaa taccctcaca cgacaatgg 419

<210> 24249
 <211> 384
 <212> DNA
 <213> Glycine max

<400> 24249

agtttggccc cataatcaaa gatgacccat gccaaagttgt gcactatgtg aagattgtgg 60

taaaggccaa aggggttgag gagttagatg tggaaaccgag aaccaatgat gacaatatga 120

ttaaaccaat tgaagaaaca tatacctttt agtcaacat taaagaggaa tatgttacct 180

aacttggcaa ccaagtctta ggtgaagata agagcaactt acaacaagtt attcggacgc 240

atgctgaccc gttcgcatag tccgcagctg acctgtcaag gatagatcca atcttcatt 300

gttaaagatt atccatatat caagatgcca aaccataac tcagaggaat agaaagatgg 360

ggaaagaaag gtgtaggta gtgc 384

<210> 24250

<211> 352

<212> DNA

<213> Glycine max

<400> 24250

actaagctgc tcggggatct actacgcttt agaacttggg atgctgccta gcaatttaca 60

ctaccacaga gaatgagcta ttagcgatag cttttgctct tgagaaattt cgatcatatt 120

tgcttggtac tcgagttatt gtttatactg accatgcagc tctgaagtac ctgttgaaga 180

aggctgaatc aaaacctata ttgatcaagt ggatgctatg gatccaaaag tttgatttgg 240

agatccgtga tcagagcggg tcacaaaacc tcatggctga ccacctgagt aggattgagc 300

gtgcgcctga agactcacc attacggatg atttttcaga tgaccatttg ta 352

<210> 24251

<211> 321

<212> DNA

<213> Glycine max

<400> 24251

agcttaagct ccttcaactg cttatggctc ttaatatttg aagaggatac ttgaggaacc 60

ttcaccggac gaagacactg acaaaaactt atcttctcct tcttggacaa agtatggcag 120

gctgggggca agtaaaattt cttacaatca gaccttggat gcagctgaga tcgcataccc 180

atatcagcta gatcttgacg agtattcaag ccaccttca tcttgcttg aatgttaagg 240

agcgtcccaa tcacactgtg acaatacatt ctccacatgc atgacactcg tacgatggct 300

agcgccgaga tcacgccagt a

321

<210> 24252
<211> 377
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24252

catctatcct ncactccatg tagaattatc ctcatcggnt cccactgca cttcaccaa 60
cgcgatctcc ttctcttca acgacttcat tcttcgggtca gagatcttct gaggttgtgc 120
tttatagggtg aggttatcct tcacctgtac ctggtccact gcaagaatat gtgatggatc 180
cgggttgtac cgtctcagtt gagagacatg gaacacaggg tgcaaattcg ataaactcgg 240
aggtaaggcg atatgataag ctacaggccc aatcttcttc aaaatctgat atggacctag 300
atacttgggt gtcaacttcc tagccttgag agctcttcca cactccgtta tgggagaaac 360
cttcacaaac catgttc 377

<210> 24253
<211> 377
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24253

agtttcattg ttgcgacgat gatcttttct cttatggaac tagcattcaa actcatttta 60
gaaaggacat aatccaaatt aaacaggaga tggaatcctt gagggcttgt acaaactcaa 120
ccttctgagc tcgtttctta gacttgcata atcaacttag ttctctcctt caccatanaa 180
agggtcttttg gagacaacat gaaaagcttc attggctctg tgatggggac tccaattoga 240
aatatttcca caattcatct tcagccagaa tagaaatgga tgactagatt ggtatctcgt 300
atattgctaa aagatacttt gagaaccttt tttcaagcca tgggtggatat cttgacaccg 360
ctatccctca cttatct 377

<210> 24254
<211> 430
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24254

gcttttaact gaagttgcaa cgttccaaat atctggaata tgatctaate gattacaata 60
tatnngctat cgattactag tgtatctgaa cgttgaaatg caaattcaat tgtgaaaagt 120
cgcatatttt cataaaatgc tttgtataat cgattacatg gttatgatta tgcattatca 180
gtgacaagtt ctgaataaaa agtcaagaga tgtaactctt ccaatgggtc tctcaatatt 240
ataactctac taatgggtgga cttgaccata catgaagagt ctataatagc aaaaccttga 300
cttgcatctc actaactttt acaatttgag aacttctttg aacaactttt gagatatcat 360
gaaaccttcg cttcatatct ttcttctatt tccttagcca gaaagctttc taagtttttt 420
gtttccaaac 430

<210> 24255
<211> 380
<212> DNA
<213> Glycine max

<400> 24255

cgctagctta tctgtctcaa tggcgtgttc ctcaacgcct tcttagagac cccggtggtc 60
ttggagcctg gggaacacta cagcacgtac tttagattca tgtccagacc ctcaggagtt 120
cgctgccaga ttatgtattc taaggcgcgg ttttgtactt aatgctgagg gagcaccctg 180
gaagctcctg aggaaggacc tcaccacct cgcccatata tgaagtgtgt tatcatactc 240
caacctcgcc cccacctctt atacgttcga tcttaacatg gacaaggcga ggtagtcta 300
cgggcttggt atgaagatgg atatggactt gggctcgctc atttcaggac aaatatcaca 360
gacggggacc tgacacttct 380

<210> 24256
<211> 441
<212> DNA
<213> Glycine max

<400> 24256

aaactctagc ttgtctctc tgtaatttgt aaactgcagg ctcccttgc tctattctta 60
gtgacatttt atgctacgca gttcctggt ccaaactatc attgccggga ggtatactta 120
ttttagaatg tgtgcttttt aaacaaacat catttcactt gcagttaaac tgtttctttt 180

ctttctaggt gactgagtag taaactatgc aagttagatt tttttttctc ctttcaaata 240
atcttttaat ttaactacat ttcattgtatt gtgcaggggt ctaaacttgc tacactgcct 300
cgtccggata gtgtctttga agtcctcttg attaattggt agtatactat tgtactcgag 360
ttcttttagct ttgaactcct tttggttggt ttggtgctca tttggttttc atcatgcagt 420
tccacaagat gcgatatatg g 441

<210> 24257
<211> 336
<212> DNA
<213> Glycine max

<400> 24257

cgcgagcctg cagtgtctag ctgcatgcat gcatgtcttc tattcttgac atggtcgatg 60
tgagtaaagc taccataact gctttaagga tttatgatga tgcattgtgga cacatgaatg 120
cttaaagagt atgtgaataa accgattaaa aaaacgtgta ccttatacct cagcatgaat 180
gaggaatatg ttacgccgct tggcaaccaa gtcttatgtg aagatgatag caacttacia 240
caagttattc tgacgcatgc tgaccgcttc gcatagaccg cagcttgacc tgtcaagata 300
gattcgatct tccattgggtg cagattatcc atatat 336

<210> 24258
<211> 260
<212> DNA
<213> Glycine max

<400> 24258

tagactcagt tcaacctacc atcctttatc tgattgttta acttaacgga ccataaaatc 60
gttggaggac cttttgaggg cgtgtgtctt agagcaaaat ggaagttggg agagttttcc 120
tgccattgat agagtccact tacaacaata tgtttctact taccattggc atggctccct 180
atgaagattt gcatggata aggtgtagga cacctctatg ttggctagat cctgcagtaa 240
accttacctt atgaccttga 260

<210> 24259
<211> 375
<212> DNA
<213> Glycine max

<223> unsure at all n locations
 <400> 24259

agttttat tttt tcttactaa aaactcattt tttaccaga acaagttgat tgatcaagtg 60
 taagggtacaa ttgttgaac caataagact taaaatcaag aagccggagt ttgaattcaa 120
 tagaatccaa gatgcaccac caaacatgaa aggatttata ttttattttt cagtagtta 180
 taattattta tcataatttt atacctgnga aatccttaaa agttagtata cagcaactta 240
 cttacctgtg aactagacca tataatagca gtaaaacata attatctcat ctatgataaa 300
 ggttgcataa catgctaaat ttaaaattgg caaaagtatc taattaacag gaacttttga 360
 gttttgaaga ctatg 375

<210> 24260
 <211> 364
 <212> DNA
 <213> Glycine max

<400> 24260
 gccacttaat atatacttat ttcgaattct tctattcgct ctatgggatg agcgctttgc 60
 aaagtgtgaa cagtttgcaa tgtctactat aatattatgt acactttctt gaagatacgg 120
 gctaaagata ttcaaaaaga aagttggaat taatagtcac tctctatatg taactacatt 180
 tccctctttg catctttcat ctgcagcgtc tgattattca acaatcacct tatggtagct 240
 ctaagagatg ggctgagagt ggagtcatat aaaataggat ttcacattcg atacattaaa 300
 tatttcaacc ctagtcatc acattcttga agaggagtca ctagacatgt gatcataaga 360
 tggg 364

<210> 24261
 <211> 352
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24261

agtttgcatt tctcccatcc cccagcaaa gtcattgtgat agttctgctg gtacgaggtg 60
 aggttttaaac aacaataaac gcttattcca ccaagtggag ctaatatata tgtcaaaatc 120
 actaattggc atacacattt gagaatccaa agagcataaa ttttattgat tactaagtta 180

ctaacttgct ttacttacaa tattggcaat gatcgttcta tttcaatctc gntaacctat 240
 gctctgctca ttcttatttt tccctgcatg atttccttga gactacagat actgatgtta 300
 ttttagctgc ataattgaaa cggtataata atgctgcatg cttttgaagg tt 352

<210> 24262
 <211> 547
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24262

ccaccccgcc caccagcagt ccaactgggac aaaaagttgt tggtagaacg aaaccncnc 60
 ccccccccc cccacccctt tgacccttg agactagann acntcggaan aacnanagca 120
 nacncaagca cngagcccaa aagcgaccg acgcatataa cgatttttcg tgggaagacc 180
 aactccgaca cgcagaagcg aaaatacaaa aagggaaatca cgaacgagaa aacaaaggaa 240
 aaatccaatg acaagcccaa ctatgaggca gacaatatcc gaatcgggga aaggagagaa 300
 gctaaagggg aagaaaggaa aactaaacag caaacaaggg gacaaagaaa aaaacggcga 360
 agaagaccga aataaggcac ctgatcaacg aacgacaaaa accacaataa atgtgcacac 420
 agggaaaccg acaaacacac acacgacggc gcaaaagagc gaccagacga acaaatgga 480
 aagcaacgaa tccacgacct gaaaaggaag aaaacgctaa tgaccaacca aaaacgaacg 540
 cagcgccg 547

<210> 24263
 <211> 365
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24263

atcttgtaaa tactacaagt atatgaccta tacggctagt agatttgtgt aaggacacta 60
 tgtattaatg tcattttatc gataaatatt aattattaat tattaatttt ttattagtag 120
 gggattgaaa cacaattttt ttctttttgt tcttccttaa ccatacaatt cacctttgga 180
 gggttttcat gacttanata ttacataat tataaccata actaattatt aactagatta 240
 taaagtatgt attataacta taaccataat taattntata taactagcta gttataattt 300

ggcataacat gatataactg gatattatgt tcaaattatg aatatataaa aggttatgaa 360
 taaac 365

<210> 24264
 <211> 330
 <212> DNA
 <213> Glycine max
 <400> 24264

acactctaca atactcacgc tcttattgct cgtggaagtg attgaccaca tttatgttgt 60
 ctccgatcac tcatccgcca aaatgggaaa gtattcatca cgggtgattc ttacacttta 120
 caaattgaaa acctagatgt ttgaatctct ctgttaaagt tttacatctt caagcagctg 180
 tctccataat tcgttcaaata aatgtacttt ttcttcaaata cagtccaaca tgcactagat 240
 gtaagctatc cacggccatc aacatattgg catcataaac acctcaaagt gtgctacgta 300
 tgtgaatgat taactagaca tctttatcaa 330

<210> 24265
 <211> 296
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 24265

atctttatca tcaccccgaa tttcaaatta ttcacaaaaa tatgacctgt aatgttcatt 60
 gtgggggataa ggacagattc tggcaagatt cttggctgtg acatggaggc agccttcagc 120
 agaagctcaa tcaattatgt gtgagtagca gatagcagaa cctttccatc tctaanaatgg 180
 gatagtttta tcacaatact cggaattggg attataaatg gagaaggaac ctctntgatc 240
 acgagaatga gctagcaata gccttcatgg acgatatac tgctatatct attcat 296

<210> 24266
 <211> 417
 <212> DNA
 <213> Glycine max
 <400> 24266

cttaagcaac tagttgcatt tgaactatgt tttattgttg gacaaactac gaaaagtaga 60

aatcaatttt acagagattt atttttatga ttggggtaat taatattttt ttaatttagt 120
 tacaaaaacta actatgatgc aaagtaaatt taaaatgtga aaaaataaaa taataaaagt 180
 taagtaataa atcttaaata gtaatcaagt gtatgttatt ttttttccga agttaactgt 240
 aatgtgtcaa attattagta tagtccagat acgaaaataa attgatacaa ggggaaccct 300
 aaaataacac acacaaagct taaaaaaaaat aattgaactc atctaattat aacaactatt 360
 cacgtgaacg taaaaaaaaa aaaacactat tcacgtgtcg tagaattaag ttcactt 417

<210> 24267
 <211> 363
 <212> DNA
 <213> Glycine max

<400> 24267

agtctttcag caataacatg atcttttcag cttctattca agtgatcaat tcttttcttc 60
 caggatcatgt acattgcagt ctaaatacag tccatatcag catctttcat atgcaccatc 120
 aacaatttca gaacttcaca cacctgttca ttggaagaga caaatctgtc tccaacaaca 180
 aaactgcaaa tctggtcttt caattcaatc cagctcctcc ccgagtcact tttattttta 240
 atgectctcc tcagcttcgt tgagctggca aaatcatccc agtttccttc agcggcataa 300
 atatttgata tcaacgcata agttcctgca ctatatggct tcatatccaa agctctcaaa 360
 gct 363

<210> 24268
 <211> 432
 <212> DNA
 <213> Glycine max

<400> 24268

tgcatgaatt agtagcaaca aattcagagt aattagttaa gaggataaac tgaacagaat 60
 ttaacagtaa taatagaacc tcaaagagaa ttgtgcttga tcctcaagag aaaacaacgc 120
 tgcggactta gcctttcatt aatcaaatag agaataaagt tttattgata aactaaaagt 180
 ctaaactgga attgtaaaaa atgaaaaata gaagagagag agagagagag ctaaactaga 240
 accttggtgc tggtatatag tttttcagcc ccaaagctta caaatctatt ttaaatccaa 300
 gcccataagt aaagtcaaata caaatctaga taagataaga tctagatgaa ataatatcaa 360

gatgagatca aatctaaata atatctagat aagacaagat aagaaaagat ctaattttgt 420
agaataaatt ag 432

<210> 24269
<211> 464
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24269

cgaacttgaa accntngaaa agcctngttt gacgcctcg tancacctag ggagaactca 60
gcgccgaccg gcagacacgc tagattagac ctgaggcctg aatttttagaa ccagcccagn 120
agtaacaatg caacgaacga cttggaaata ctcttatect taacagaaag atgagcgcgga 180
cgggttggtg gatatttgagg actttgagga acacatttgg cctataatca cttagagag 240
gcatctcaag agcgaaccaa taagacatga ctttatgacg ctaacaatgt gacacacact 300
atgagaaaga tggggctgac ctgagtaaaa gaacgatggc tatatgattc tgtgacaacg 360
tctgccatag acagcatgaa aacacatggg gaatctgacg gactgacaat cctgggcaga 420
taaggcgga gctgtgatca gctcccaaac gtgaagtgat acgc 464

<210> 24270
<211> 377
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24270

cagcttgatn ggtaaagnc tcaactttgt caogtgctca tgcaacaatt gtagccatg 60
gctatacgag acatctttcc aaacaaaggc aagttagcca taactcggtt gtgctttttc 120
ttccatgcta tatgtagtaa agtcattgat cctgtcaagt ttgatgagtt ggaaaataag 180
gccgcaatta tactgtgcca gttggagatg tattttcccc tgctctctta gacatcatga 240
ttcacttgat tgtgcatcta gtcagagaaa tcaaatgttg tggttcggct tatctacgga 300
ggatgtaccc ggttgagcga tacatgaaga tctntaaagg gtatacaaag aatctttatt 360
gtctaggagc atctatt 377

<210> 24271

<211> 431
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24271

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tgaggagact ntgaatcaat ttatgcaagt aacaatgtca aatcataaaa gcattgagtc 60
aaccctgaaa aacgttgagg tccaagtggg acaaccggcc aagtagatag ctgacaagtc 120
atccaacagt ttcgtgtcga atacagaaaa gaatcccaag gaggaatgta aagctgtgat 180
gaaaatgagt aagaggtttg tgaaggtgga ggatgaggat agtgttgtat ccaagaagaa 240
agctgctgaa aagaaaggta atgatgaaaa gaaagatgat gtgagagggtg aaagaaatca 300
ggaaaaagaa aaacaaataa tgggtcaagat aaagaaatta aatgaccaag aaaaagataa 360
agaagtagaa aaagaaaaag aatatgaaaa aaatgaaaaa gatgaaaaaa taagaatgaa 420
gagaggagta g 431
  
```

<210> 24272
 <211> 371
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24272

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agcttcatgc gtcgatcatt ttgttatatt attgcatcca cacttcttgt ataccggggt 60
ctctctcttc ttctttatgc ctttgatatt gcatgtgggg aggcctatgc aagttttgat 120
tcaacccttg cttgtaattc tatccctgat ggaagttggt gttgttaaag aactgctcat 180
agtgattggt cctccctctc acataattaa gtcacatcat ggcttgagcc aactcacctt 240
ccacagtgca ttctcctaga ccatgaacac atccacacct atcacaagtg tgattgggag 300
gtgtagagat aggcacttga gacttagctn tcattcaact ctgaatttct tggacaatgc 360
tnanatctat c 371
  
```

<210> 24273
 <211> 376
 <212> DNA
 <213> Glycine max

<400> 24273

$\frac{1}{2} \frac{d^2 \theta}{dt^2} = -\frac{g}{L} \theta$

<400> 24274

<210>	24275
<211>	415
<212>	DNA
<213>	Glycine max

tctccaacat	ctacttttga	tacgccttct	tgtctttaac	ctggactagg	agacatacat	60
cagcgtgtga	tatacatatc	agacgtgtaa	atatttgcta	ttgacattgc	acaaggacat	120
cctaccactt	caacctcgaa	gttaagcaaa	tcaaaaacac	ttaaatccca	aaaattaaaa	180
agaaccaccc	ccaacctaaa	tgagcacaac	taaacaattc	ccaagtatcc	tatagttgct	240
atcaaactaa	ataaactaca	actataatga	tcctcaaagt	acaggctctt	taacagggtca	300
caagattaac	aactatgtgg	atatgctgta	tntaagctgc	ttgaacatct	cacaataaca	360
taaaacatat	ccaataagta	aagcttattc	catgtttgtc	catatctaag	aagct	415

<210> 24276
 <211> 376
 <212> DNA
 <213> Glycine max

<400> 24276

tgtttcccaa gtttttaagt tcttcctcaa aactgtccta agcaaagttc ccaaagtcct 60
 attaacaact tccgtttgcc catcggtttg tgggtgacaa gtggttgaaa ataacaattt 120
 agtgcccaac ttgctccaca aagtcctcca aaaatggctt aagaacttag agtccctatc 180
 actaacaatg ctctttggca aaccatggag tctcacaatc tccttgaaaa acaaatacagc 240
 cacatgggaa gcatcatcaa tttttttaca tggaataaaa tgagccattt tagaaaacct 300
 atcaacaacc acaaaaaatgg aatctctacc attgcttggtt tttggcagcc ccaaaacaaa 360
 atccatggat aaatca 376

<210> 24277
 <211> 417
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24277

tgctctaaat ttacattgat gttcgtatct atgggattag gctgcatgcc catttttttt 60
 agtagtggtc cactggtaaa actaactttc caaatgtttg ccttcgcagg aaatggcccc 120
 gaggaagctn gcctcaaaga ggtccaggaa ggacaaggca gccgaaggaa ctagttccgc 180
 tccggagtat gacagtcacc gctttaggag cgctgtacac cagcagcgct tcgaggccat 240
 caagggatgg ttgtttctcc gggagcgact ggtccagctc agggacgacg agtatactga 300
 tttccaggag gaaataaggc gccgacggtg gacatcactg gttactccca tggccaagtc 360
 tgatccagaa aagttcttga gtttatgcc aatgcttgcc acagatgagg cgtgcgt 417

<210> 24278
 <211> 334
 <212> DNA
 <213> Glycine max

<400> 24278

agctttttca aagtcaagtt tgaaaaccat gcaggggtta tttttgaatt tagcttcaac 60
 taagacctca ttagctatca ttacaccatg gaggatatgt ctgcctttga ggaaagcaat 120
 ttgcctttca tcaattaagt gaggcagcac aagagccagc ctattagcca ggactttgga 180
 cattattttg taaacacacc ctatgagaga gatgggtcta tagtcattaa gagattgggg 240
 gctattgggtt ttggggatga gggctatgaa ggatgcatta cttcctttgg ggaatctgcc 300
 attaatgaag aattcatcaa agaatatgat aaaa 334

<210> 24279
 <211> 410
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 24279

tctacataat tggagagttc tagagtgaga aaggttcttg ttctagagag tttgagagat 60
 tttgttatgt gaagatctgt aaagaccaga gctggaagag gaagccgtcc tgagagctta 120
 agatgagttt gtgagtgatt gtgaggttct agaggtggag gagacatccc cactacttgt 180
 atttctgcaa tctttcatct ttctcttctc tttgttgtaa aggaagtttc ccagttatgg 240
 aaagctaaat cctctgttgg atcttccttg taggtacttg atgtaaatat ctaattttat 300
 ctatttaatg atattttgtg tgttactgt gctatcaggt cttcattcta ccatgctttt 360
 gccttgatca tgtagatgca tgtgtntnta ggatcattca atagtggaaa 410

<210> 24280
 <211> 369
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 24280

agtttttagg atgtgttcat ttgtgtaaac aacatctaca tattagaagt aattcatgct 60
 cacgtaacca taagcagcaa taatgtgtga acatggatag tgaagagcag aatactttcc 120
 gcattgacaa taatggtcac tcaagttaac tgcccacttt tgtccgccac gttgcgttct 180
 aggattgaag gtctcctcta cttcaaacct tgtcgaatgg atatcataga cgcggacgat 240
 gtgcgaacaa gcttgttctt gatttttntg aagttcttta acaaccttaa aacaatatac 300

ttggccttca ttttaatttg tttgggcttg acgaccacga tcaacaaagt actttcgaac 360
ctactatat 369

<210> 24281
<211> 401
<212> DNA
<213> Glycine max

<400> 24281

ctcagcttta ctttttcttg gggagaagcg tcttgatggt taaaatgctc tacatcttcg 60
gatgactaat ggttaacgcc aacaaaagtt agtccaattg gtaaagatta gactcattat 120
ataaggacag tgagttaaatt agggagtcct tgagaccgca cctaaaattt tattcacaaa 180
aaagaaaaag aagaatgatg gctaacaatt aggttactgc ttcttcgaca taatatctct 240
atttaaaaaat gttccatttc acctaacaag acacttggtg gttatgcatg cttccatcgg 300
tgagactatt attagtttct tgtgagacac caaggattcg tgatttcttt aagtgattgg 360
atattattgc atggcttatt attaatgcag taatgattga t 401

<210> 24282
<211> 358
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24282

ttttgtattt tattttgaac gtcctggatt atcaaagac tctctccgat attcgatgcc 60
aaagctattg cccgttgaat ttgctcagag ctggttgatg aaaatccatg gtcgcatgtt 120
aataccggac tctatccatc atccgaatta aaaggtattg acttttggat ctgcctccag 180
acactgttat caatatcgtg catgttgata tactgcacga cctcactcca cttccaaga 240
aatgataatg tccttcgaat ttgagagagc tcgatagtca ttagcagcga cttgaatata 300
aatgactcat ccgccatctg atgacagtca cattcttcga tctctacgac gtttgtgn 358

<210> 24283
<211> 416
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 24283

tgaaattaan aacaaaggct ctaagcaa at tcgaatgaca ataacttttg actcggatat 60

ccgattgagt catttaataa ttcgaaacgc tcgaaattga atacagaagc tctaagcaaa 120

ttcaa atgac aataactttt gactcagata ttcgattgag tcattttata atttgagacg 180

ctcaaaattg aatgcaagag ctctcaccaa attcaa atga caataactct ttactcagat 240

gtccgattga gtcccgta at atatcttgac actcaaa atg gaaaacagaa gctctgagca 300

aattcaagcg aaagtaactt ttgactcaaa tgtccgattg agtcatttaa taattaaaga 360

cgctcgga at tgaatataga agctgtcaca aaattcaaat gacaataact ttatac 416

<210> 24284

<211> 363

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 24284

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aactaccac caaactcttg aaatttgtag caccatctt ttttgcttcg tcaaactttg 240

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atc 363

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<213> Glycine max

<400> 24285

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gaaatataag gctaaa accc tattctacta gaatggccaa aataca atgc ccaaatgaag 240

gaaaaaccta ttctaataatt tacaaagata atcgggctca tacttagccc atgggctcga 300
aatctaccct aaggctcatg agaaccctag ggccttcctt tggatctctg gcccaatata 360
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ttcaacgaca ttaactattt tctcggatga ttgattgagt actgtcatat atcgagacgc 240
tcgaaattga atgttgaagc tctaagccaa ttcaaacgac aataactaat tactcggatg 300
tctgattgag tcccgtcata tatcgagacg ctcgagaatg aatgttg 347

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<211> 349
<212> DNA
<213> Glycine max

<400> 24287

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ttcaacattc aatttcgagc gtctcggtat atcacgggac tcaatcagac atgcgagcta 240
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<211> 258
<212> DNA
<213> Glycine max

<400> 24288

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 <211> 151
 <212> DNA
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 <211> 338
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 <213> Glycine max

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 cttatcaggg attagcattt tgctaactt gaacttac 338

<210> 24291
 <211> 406
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ggcgtattct tttgaaagaa tcgtgccctc tttttgcaca tgttctatag ttgcatccta 180
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<213> Glycine max

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tttcaaaact atcatgacat gtagaggaga atcaaggatt tcaagtcaca aaatgtcaaa 240
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aactaatcaa cattaacaga ataa 384

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<211> 381
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<400> 24293

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381

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<211> 394
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<223> unsure at all n locations
<400> 24309

gaccccantt gatgccttgg atacccttga gaaaccacgc naantctagc tgagacccgg 60
agtcacactg cgggcacccg agcttgtgct agatatchat aagcactact cggctgcaag 120
gaagatccgt tagaacctcg aagcttatca aatccttata gctttaggca atgggggtatg 180
acacaagtta agtttttgtt cactgtaaag tggaggagcg agcacagctc atctgtgatc 240
gaacgaatta ctgcgacctg attaggtaaa cagcactaca atgccatata gtagaagttg 300
aacacgacag ctgggggttaa agcagaggag accaacgaat tgcacaatgt gaaaatgaca 360
atataatgta gaaggagtgt ttctacctgt agatgagctt atggatccta gacgaacact 420
agacagattc ttactgggag aaagccacca gtaacactga act 463

<210> 24310
<211> 404
<212> DNA
<213> Glycine max

<400> 24310

tgaggagcat atagcctaag atattcatgt taataatttt acatgagtat gagacaataa 60
caattttaaa ttattcattt atttttattt ttatttgtct ctttttatca cgtcataaat 120
cttataatat ttatatttgt tattctctct tcatgtgtct tattcaagtg ttttatatta 180
taatgagtat caataaaaata tttttatttg ttatataaca acaaactctaa tatagataac 240
attcccattha ataattaata actaataata ataaagataa aactgacaca aggacatag 300
tccttagaaa taaaacgtct aaacctaaat tgaaacaata acttatgcaa tgattcttca 360
ttagtcaaga cacagagaac aaagaacgta aacttgaaca tcat 404

<210> 24311
<211> 383

<212> DNA
<213> Glycine max

<400> 24311

agctttcacc ccataattcc cccaaatttg ggcaaatttg ctttgaacca aaatttcctt 60
ttatgaatga tgctccccta caacctaaga caaggtagaa ggagataact gtacaggctc 120
aaggttcaat caaacaatca tacttttcagc tcaaaatggg tgcaagggat aaatcaatca 180
tgcacaaggt aagcttttta gctacgtggc tatcttcaat caaaacttgg ccttcatcat 240
cttcaatttc acgcattcat tccataactca gagattcatg caaaaacat tacttaatgt 300
tagtcgttct ctcaacaatta aagatcacac tctcaccggg ttgtggctaa tgcgttcttt 360
cacaatcaaa ctgtcaaact gac 383

<210> 24312
<211> 317
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24312

tccttattnt caataggga ttctatctat ttatctccca tccttaatgg aaaagggttac 60
cactactgga aaactctaata gcacatcttt attgaggcta tagaccacaaa tatttgggaa 120
gccatacaaaa gacggcctta tatacccacc acagtagaaa tagttacaat acatgggtccc 180
tcatctagtg aaagcgtaac tatagaaaaa cctaaaaata gatgggtctga agaggatata 240
aaaccagttc catacaactt accagcgccg aacataataa catctgcctt cgaatggatg 300
aatatttcac gggtttca 317

<210> 24313
<211> 384
<212> DNA
<213> Glycine max

<400> 24313

agcttatgaa gaattgttga caaggctagg tgtcaagcac ctctgtgactt ttgtcaaaca 60
tccccagacc aacgattagg tagaggcagc caacagagtc atccttaaag cttgtgcac 120
aaggcttaac aagtccaagg gtttgtgaaa agaaaaactt cctagcatatc tttagacata 180

acactgttca cccagtc aa caaccaatga aactcatttt cgacttacat acgacacaaa 240
caccataatc cccgtcgaag ttgaggaacc atcaacaaag aggttggttt tccaggaaca 300
acaaaacaaa gagaacatgt ggggtggaact agagacaatg gacaaactcc aagagatgga 360
cagaatcaaa gaagatgcc ccaa 384

<210> 24314
<211> 325
<212> DNA
<213> Glycine max

<400> 24314

tatcttctaa aactgcagc cttcacgtta tccaagccta ttccgccagc ttcaatgccg 60
caacctgaac ctattccgcc agtcacaatg gcgggactgc ccacgtatgc atgtcctgcc 120
aagaagaatg gcggcatgca ctgaagccac ttttctcgct cctactcagc cctataccgc 180
cagacgaatg gcgagttaag ttgagttacc cctgtcccc caaatgctaa tagcggcatt 240
acctgtcccc ccattggctc tggcggttcc aaacttcacg ccattgataa tggcgaacac 300
cattaccaa agagaccccc ctgga 325

<210> 24315
<211> 383
<212> DNA
<213> Glycine max

<400> 24315

agcttgccat tagttaacac tgttccatta taattaaccg aagtgtcaaa cattttcatt 60
caaatcttgt tactattact attttaagcc tccccttgt tttcattcaa atcttggttac 120
taaaaactat aaaaactaca aaaacaaagg tcaacatgta aatactatac aactaggcaa 180
acaattttac ctctttttgt tcaagtatct tatccaattc tttgagctct ttatccaatt 240
tttcttgaag ggatgagtggt tctagctcct ttgtgtcttc ttccatttca tctacaaaca 300
aggtacatac atttaaaaac catcaataat taggataaaa tgccaatgca caaagagaga 360
aaaatgaaaa ttaaggagcc caa 383

<210> 24316
<211> 401
<212> DNA

<213> Glycine max

<400> 24316

cttgaggagt ttattgatct ctgaataaaa gagcctcttt ttttggtgtt agttttgttt 60
caaaaccaat tcaatgagac ctttggttgt ggtttgaatg gttcaattgg ctaacttgat 120
ggttcaacca aggacaaacc aaacaacatt aaaagatacc aaaaatctgc aactttgggt 180
aaaatgtgat cttgaatctt cttttctgtt atattgctaa ctcatctcat gtatattaaa 240
cttgtatttc acaaaccttg tcttacaagc tacactactt aaccggaaat cctttgatcc 300
tcaaacatca caatgggtttt aaaaatagta taagtgttaa aacaccactt tggaatctaa 360
taatgggctt gtgtagttgc tgaaaccttc acatctggct g 401

<210> 24317

<211> 350

<212> DNA

<213> Glycine max

<400> 24317

tcaattcaaa tctcagagag cgaatcttgg gttattctcc ttcacacaaa ggttacaagt 60
gtctagctgt tgatgacaga atgtgtattt ctaaaaatgc catcttcaat gaaaatagct 120
ccccttatcc taccctatct cttgagccat tottagcaac ttgaggttcc taattctaca 180
tccaccctta ctgtgttacc ttcctctcag cttgcatcat catctagtaa cacaataaac 240
accttatcct cacttcatct cattcatcat ctgtttcacc tgatcacagt gaacagcatg 300
cagcttecta gcacttttca ttcacaaccc ttgaatgtca ctgatataga 350

<210> 24318

<211> 373

<212> DNA

<213> Glycine max

<400> 24318

agctttttat aaatcactac taaaatctaa agatgatctg aagttcaacc aaagtcttca 60
gtcgcctttt ttcttttggc catgttctta tttacgttta atgtttttgt agactgtgag 120
tggaaggcgc acgccggtaa catatgtgtt gcatcatttg attggagctg cagtggaatc 180
tgtaagtcag tggagaagat taaatatgtc cactctaagt gtggtgaagg aaatggagca 240

gtttgaggatg ctctatctta gattgtttct aaaagggaga tggttttttc tggttggggag 300
aggatataat tgcagctggg acaaagacaa agacagtttt cagatttgag attgagcaca 360
taggtataac atg 373

<212> DNA
<213> Glycine max

<400> 24321

ggaaggggca cccatatttc ccactcccag tatctcttct aacaaaatca ttcttcttac 60
acctatattg accattcctt tcacaaccaa ttaacacata tgaactcctt gctctactac 120
taatcaaggt gtgagacctc ataatgattg caacaaatac attttcatga gcaactgatc 180
aagcccatg cataacatca tctcggatac caaacaccta taatgcaacc taaacaattt 240
tagtcttcta caacacattc attttatcaa atccctcaca ataatgaaca ttattactcg 300
agaagcattg aacgcattcg aacaatcaac atgttggtca t 341

<210> 24322
<211> 381
<212> DNA
<213> Glycine max

<400> 24322

tgtttgcaag cttaatcccc tgagaattga gggtagggga tttgccttgg attcaactag 60
ggattacttt ccttatcacc cttatgttca atatgttcga taaataaaaa tagtgttttc 120
ttttttgata tgtgcatgag agtttcaatg ctagttgtca cacaaatgta ttacacaaaa 180
gtacctatca cataaagagt ggctatgcaa ttcagaatgc atcaagaagt ctaagattgc 240
gtggctacat tctttggaac caaaggcatt gcatggaaaa attactacat acccatatct 300
aacgggaatt tctatttacc tgcttgctt ttgtgagggga gatgtcacca catgttatgc 360
tagatgggtg aagtaccca t 381

<210> 24323
<211> 550
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24323

tctacagcca tcattantat tctanantan gtatttatta gnagtactgt atgtatctct 60
tgtaatagca ccgantacgc cantatacca cccacacata gacacacacn ccgcnccttt 120
tgaaccctng ttgaataccg ttgctatcta cgcgacacta tanaatactc aaacttttgg 180

cggttagaat ggaggggccc aagaataccc tgtgttaacc ctgggaaaac cggaaccatg 240
 ccataggcct tgcactgcag gcagacttag tccagcactg cctttcttca tgtgattatc 300
 aatgattact tctggggcac tcacctctg accctctggt ttctgattct tgacatcaag 360
 aaaaaataaa tgctggatta caatcaccat ctcttttatt taagtgtgga ataactacta 420
 tcttccattc atttccctaa aatatcatga aatatatctc tctctattcc ttttaatacct 480
 gttaaaatca aagaataaga ctaaatccgc ctataagaat ttaaaactca attcacctga 540
 aataccctcc 550

<210> 24324
 <211> 375
 <212> DNA
 <213> Glycine max

<400> 24324
 atcttctatg tctctcccag tggggactgt attcgatcac cattcaattc taacatgtca 60
 ttagcctcag taacttaaca taacataaca ttaacagcca ccaactcatc aacaccatcc 120
 atctctctct ctctctctct ctttgagtga cattagcttc gatatgacag gtattaattc 180
 acatctatct ggccatcatc ccggtcaaaa agagagaata aatgacccat tatcatttat 240
 tatttattaa tctactttta ttctatagca gtactagtat tcctatagag ctctcaactt 300
 gatatttaga gagcaacgtc actggtaaatt cttttccttt atcaattctt tattgggtgg 360
 gtaggtatct ctggg 375

<210> 24325
 <211> 279
 <212> DNA
 <213> Glycine max

<400> 24325
 gaccaagaaa taagcttggtc tgttgatatg cgactttatt gagtttttct tttaggacga 60
 aagcaggctt tataccaagg catgaacatt gacctccttt gtaatcaatg agtacatgac 120
 tgatatatca ctctttaaag ggtaagatat cataaaaaat ctctgtgtga tacgaacatt 180
 attgatatta cacatctaatt ttatatgtga tgtaatgata ttacgaataa taatataagt 240
 tgtgaaaaaa ataattaatt tttatggaac gattactct 279

<210> 24326
 <211> 508
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24326

acaaccgccc cgaaccacca catggcaaac tgcgatgcat acctaacccc caccaggcnn 60
 cncttgagcc ctgaagcctg aagcacccgg cncannngcg cggccccggg gccccacagc 120
 caacagcagc ccgcagcctg cagaaaccca ccacggccat agaggagcgc gagggcaacc 180
 acaaagaccc aaggccccctt attcttcttg gcaggcgctt agcgacaaac aacgcgtgcg 240
 cagactaaga aaggaatgcg caggccacca acaaaaagag gagcgtcagc aaaagagagc 300
 ggagcgga gaagccaccc accggagaag accaaagagg atcgcaccca acgcggtggc 360
 ggaaaagaag ccacacgcag cgctccattc caaagcgaac ataagaagga gatagagggc 420
 cgcgcttga agaagagaaa acccaggcgg aaggagaca aacacagtca tcatattgga 480
 gaacgagcga ccgcgataac atggatag 508

<210> 24327
 <211> 371
 <212> DNA
 <213> Glycine max

<400> 24327

tataaagaag tttggcagtt cttgccttac tttttggttt tgtgggattg aattaatcaa 60
 ttacgctcta agtccaaatt ctaagatggg attaaagctt atcctagatc aattgttggg 120
 ctacctacat ttgccacgct ctatgctagt aaccatgggc gtgagagggg gtgatgaaaa 180
 gctgccttaa ttgtggtaaa ccctagcagg gccggccttg gtggttggtt tccgatgcga 240
 ccgcccaggg cccatgacta aagggggccc aaaaagaaat ctagatagct atagtgtgag 300
 gaggaaaaaa aattcaatga cttttagtgg caactctatc tcgtcggctt tctaatactc 360
 ctttaattct t 371

<210> 24328
 <211> 368
 <212> DNA
 <213> Glycine max

<400> 24328

agcttaagaa atagaaacaa tgataaacat ttatatctaa cattgataaa tatttatcat 60

ttaaaatcac atacaacaca tcatttatat ctatgcacaa tataaacatt ttaaaatttc 120

aaaataagat ttcacaaaaa aaaaatatca gaataggaca atgaaacaaa atctgatttg 180

gttttaggac aacgaaaagt aacaattcca taagctgaaa atttaagctt taagaaaagg 240

tctactgaga gcttttactt ttgtaaaagc taaaaaaaat taataagcaa acactcttaa 300

gaaataaaga aaaccttttt ttagaagata agatgccgga aggtcttttg ggttgcattc 360

aaacggat 368

<210> 24329

<211> 340

<212> DNA

<213> Glycine max

<400> 24329

tttaactgaa ttgcaacgt tccaattgct ttttaaattgg tgtaatcgat taccagtgc 60

tctgaacgtt gaaattcaaa ttaaattgtg aagagtcata tcttttcata aaatgctttg 120

tgtaatcgat tacatggttt tggtaatcga ttaccagtta cacgttttga atagaaagtc 180

aagagatata actctttcaa tggttttcag ttctttctca aggggtataac tcttccaatg 240

gttttcttga ccacacatga agagtctata aaagcaagac cttgacttgc atttcaaaga 300

gacttacaac tcttacaact ttttgaacat ctctttgaac 340

<210> 24330

<211> 380

<212> DNA

<213> Glycine max

<400> 24330

agcttgctca atatgtgtt actacaacca atgcatatac ctattcattg ctttgaacta 60

tcaaaacata ttcaacctac cttgaatata atattctatg agtagctttt gaagtagtgt 120

ataagagtat ttttgatgg ttattattga aaaactattt tatgaaaagg atattgttct 180

ctctcaacaa ctcttctga aattggatct ttgatataac ttacaacttc aaatgttgaa 240

tgctcttttg caagagaaaa gtatcatagt caattaagtg tcactattca acctcatttt 300

ctagtgcacct tttgatccac ttcacttagc tgggtgtaatt gattgataat gtatgaatat 360
gcccacacctt ataaagactt 380

<210> 24331
<211> 427
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24331

ctatacacia ctcaagcttt gtaacaatcc aattttcacc ttatagaaat gaatctttta 60
tgctcgtctgg tgtattntaa gaggtttaat cattttaata tttttaataa aattgaaatt 120
ataatttttt taaaataaga ttgtttggta tgaggaaatc aaaatgcatg caattgaggt 180
tatgtcttgt ttgatatttt aagcatacta acttttgatg tgattgcaa aaattatata 240
tatcttcgtc cttaaataata acattatatt aatttggttt gtcttttttt ataaaagtct 300
ttctaagttg acttttgcac taattttttt acccagatat ccttagttat tctatagtag 360
atgttatgta ctactgaaca gataaatgta taatatctca tcactactat aaaaaagatc 420
ttttaca 427

<210> 24332
<211> 429
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24332

ttcttgtaat ccactctttt ctgtcctcat tcacacttat tttttccncc ccaagcgcn 60
ttgagcctga acctggcaac cagccagccg gatccgaaga ccaccgcaga gcagctgtca 120
aatcttaaaa aacagaaagg cggctcacat gtcggtgatg acatccctcc tctggctgaa 180
gtaagagact tgatctttac caccgtgggg cgcaaaggca ataacttgat ggcactcactg 240
catgcgaagg tatctgcgct gactatcatg tgacatatta tgcagctgtg gtacgtagcc 300
tgactacacc aattaacatg ggtgatgcta tgagccattt acaagcttac tcccacatga 360
gggccctagg aatgaacaac atcctcttgt atgcgcagga caagtgcctg accaattcaa 420
tcgtgcaag 429

<210> 24333
 <211> 418
 <212> DNA
 <213> Glycine max

<400> 24333

actcaagctt ataaactttc tgcgatgaaa tctaacaaat aatatttttt attcatttct 60
 cttatttctca tctcactttg ttttatgacc acaacacaga caaggagtga ggcatagtct 120
 taataaaatta aaataaaaga tatatggtac gtaaaagtta aatagtatgc atattcggct 180
 aaaacataat aataatgtag tttataatgt tagtcaagga ataaaatagt tcaattgtaa 240
 agacaaaaag taggcatatg gttataataa gtatacatga tatttttcgc tatatgttcc 300
 gaatgtgaat ggtaggatg atgaactaat ttatataatt aaggggtgtg tatcttcttt 360
 ttcacacaaa gagatttaaa ttaaaattct ctattattta attaaattcc tttgatat 418

<210> 24334
 <211> 375
 <212> DNA
 <213> Glycine max

<400> 24334

agcttgcctt gccccttgat atatttgagg gactcatggt cactatgaat gacaaattcc 60
 ttgggataaa ggtagtggtg ccatgttttc aaagcccgtta ctaaggcata caactcctta 120
 tcataagttg aatagttaag ggtaggacca cttaactttt cactaaaata agcaattgga 180
 tggccttctt gcatcaacac agccccaatc ccaacatttg aagcatcaca ctcaatttca 240
 aaagattttt gaaagtgttg caacgcaagt atgggggcat tagttagctt ttgcttaaga 300
 acattgaaag cttcttcttg tttctctccc catttgaaac caacattttt cttgagcact 360
 tcattgagag gtgct 375

<210> 24335
 <211> 382
 <212> DNA
 <213> Glycine max

<400> 24335

tcttggcaat cctcattcca gcgatcagtt tggtttttgc gtaagagttt gaacaacggc 60

tcacaaatgg cggtagagctg cgatatgaat ctggcaatat aattcaagcg tcccaggaaa 120
 cctcggactt gcctctctgt acggagttct ggcattctcaa ggatagcctt caccttttcg 180
 ggggtctacct ctatcccttt ctggcttaca acgaaaccaa gcaatttccc tgatttgacc 240
 gcaaaggtac acttagcggg gttcaacctt aattgatatt tcttaagcct ttcgaacaac 300
 ttccgctggg tgacaagggtg ttcttctctg gatttagatt tagcaattat gtcgtccacg 360
 tagacctcga tctcttgatg ca 382

<210> 24336
 <211> 337
 <212> DNA
 <213> Glycine max

<400> 24336

agctttgagt agtgacaagc acttattggc acataaacac gtgccacaa attggtctct 60
 ctgttgatca taacatcttt ggcagtgaca ccacgttctg atgccactgt gctggataca 120
 ctaggcacia tctaaggcct ttctacacgt tcatcactgt ggactcttat gactacttgg 180
 atttcttcag tgatgatttc acgttgctgg ttagtggtgt cagcttgatg gatgtgcctg 240
 agtgaaacgg cagccatgtt aagatattga taagagtga acctcgaatt ctcttacgt 300
 ctgagtgatg acatagtggg gttatgattt gctcctt 337

<210> 24337
 <211> 370
 <212> DNA
 <213> Glycine max

<400> 24337

agctctgaaa gcatgcgac tttgacacac gatatgtgaa cttagaacia ctttgctact 60
 gcctcgacag tatectgca gacattcgga actcgtgctc tctgacacta actgatgacg 120
 atgacagcga ctaaccacct ggaccatgga aggagatata ggaatgcctc tcttatatta 180
 acatgcccta tgaagcttac catctctagc ccctactcat actcgtacaa cttagcagcg 240
 catactgata gctagagcga tgaacacgac gcttataact tctgatgtac ctcccttgac 300
 gtgaatcacg cacatatatc tatgaatacc atacagacta tctaacaggg atgaagacct 360
 atcatgaatc 370

<210> 24338
 <211> 291
 <212> DNA
 <213> Glycine max

<400> 24338

actcagctta ttatattatt gttaccaaca tgccgaagtt gtctttaatt tttattctta 60
 aaacaaatat cttacaaac atgcctcgac atgtaaattg taatgcaccc acacgcgcga 120
 cccttgaatt tgtcaaaca cgataaaaac ctgatgctgc ttgctagttc tcggtacatc 180
 attctggcag acccatttga ttattatggc ttacgtatat tttagtacta gcaatgtaat 240
 actgattagc ttttaattact ttttttgaaa gtcaaataag atatattcat t 291

<210> 24339
 <211> 385
 <212> DNA
 <213> Glycine max

<400> 24339

gctatataag ctgaaccatt ttatctttta agacatgttt agttctattc agaaagatag 60
 agtctatctc ttttatctta ctgagagtga ttctcctata ttcttgagtg attcaagaac 120
 accctggctg tatcaaagga ctttcacaac ctttgtgtgt tgccctcgct ggaaagagtg 180
 attctttcct tcctttcatc ttcacccttg ttctttcaaa ccacaattcc agagaatcca 240
 cctctgccca gaattatctc gtggccataa ctcccattgt acgcactcaa attaagtgat 300
 tcttgagcct atattgaatt tcaaaacgag accttcacc tcgttttgga atcacctcat 360
 ttggagccct gcattctcaa ttatt 385

<210> 24340
 <211> 539
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24340

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 cttgntactt cacaccaca acgccacacc tgantctttg aagcattgat ccctcggcga 120

atctcactcg cgccccgaga tctctagag tctaactgca agctatctta tcttgataag 180
 acgaattgaa aaaggcgaac ttcttagtac tcttgacaca atacggtacc tgaaatatgt 240
 cgcggggggtc agaaaccttg tggatgtcat ggggggtgct attacccata tccaagcatg 300
 accaatcctg acccaacccg gacatagcca agcagtgaga tacctgcatg gtacctaatac 360
 aagcagagcg tcttgtcagt caacagataa aacgaactaa taccacaagc atggaggctt 420
 gtgagggtggc tggccaactg tcaatcctgc gtgatatatg gggttatggcc tctgggtactc 480
 gattaccatg ggtgggttat cgattacacg actataaatg aagacaggag gttcagacg 539

<210> 24341
 <211> 281
 <212> DNA
 <213> Glycine max

<400> 24341
 atgctattcg tatcttgca agggacatga tcatttttagc gatattcaat ccgagaaaaat 60
 ccaggcagag acaatcaggt aactgtaacg ggcccaattt gttgcgcatg tcattttctg 120
 ctttaagtac ttggggccgg cactaggagg ctagccctga tcaacagatg ccatttcacg 180
 ttctacaagc ggaagcgcta tggaggcacc tagttccttt aatccctact tatttagtgt 240
 tgttcttttag gtgatggcgg atcctaatta cctagggctt t 281

<210> 24342
 <211> 355
 <212> DNA
 <213> Glycine max

<400> 24342
 gcgcgggtttg catgcttcac aacacacata cagaggccca tcggggaata gaaagacgct 60
 gtcactgaca atatagttag cgcaacggac gacgtgaaca atcagcctat acctagcaca 120
 cataaccatc tactgtttta aatactagcc ctcaaagcta aaagtctgga taacaatata 180
 tgcaagcgta tcatgtgatc atctttatctt acaaaaaggg attctattca atgacctaac 240
 acctcaacc ctcaggaga atacgaaaag cgtcggatcc gaagcacttt gaaattattt 300
 cgccttcgga tgcattgatac tgaggcatgg acatacatgg ggcacaagag tacga 355

<210> 24343

<211> 374
 <212> DNA
 <213> Glycine max

<400> 24343

agcttatgca ttgctgctta ataaaagaag agaaggatgg taagccttgg tacttcgata 60
 tctaatagata tagcaaaaac aaggaatacc cgcgggaggc ctctggcaat gacaagagaa 120
 cattgcgaag gttggcgggtt ggcgggttggc ttcttcctaa gtgggaatat cctatacaag 180
 aggaaccatg acatggtgct atttcgatgt atggacgtcg aagaggctaa gcaaagtctg 240
 gtagagggtgc atgaaggatc atttgtaaca catgccatgt cccggaaaat tctgagagcg 300
 aggtattatt ggctcactat agagagtgat tgttgcatcc atgtgagaaa atgccataag 360
 tgtcatgcct tcac 374

<210> 24344
 <211> 524
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24344

ctcccacaac actatatatg aaattaaggt cantcgtatc tcgattctct gcgccggcac 60
 aaactcccac gcccgcgccc cctggacccc cgttgaaacc gttgctacaa ccgcgacacc 120
 atannaaact caagccttgt agatatagtg gtggctagtg agatgatcca attttctttg 180
 tgaagaagaa aattcgatta tgctgctttc atgaataaga agcctgcgac ccatggacag 240
 aatcataagg agggggaaac ccatgttgtg actgttgctc ctacatggcc aaattgcccc 300
 ctagctcaac acatatcaat acctagccaa tatcagtcct ctttattacc ccccaccct 360
 ccagccaaga acaccaatc attcccgaag gccaacccct aattaaccac caaaccgccc 420
 tggttgccct ttcaagccct aacaccaccc tttatatcga acccactaca cccaaccacg 480
 gaaaggatat ttccacaaag aaaccttgta gaattcactc cctc 524

<210> 24345
 <211> 374
 <212> DNA
 <213> Glycine max

<400> 24345

agcttgccctt ttagaggtcc aggaaggaca aggcggcgga aggaactagt tccgctccgg 60
 agtacgacag tcaccgcttt atgagcgctg tacaccagca gcgcttctag gccatcaagg 120
 gatggtcggt tctctaggag cgacgcgttc agctcagga cgacgagtat actgatttcc 180
 aggaggaaat aaggcgccgg cgggtggacat cactgggttac tcccatggcc aagttcgatc 240
 cagaaatagc ctttgagttt tatgccaatg cttggccaac agaggagggg gtgcgtgaca 300
 tgagatcctg ggtaaggggt cagtggatcc cgtttgatgg ccgatttgct tgacttcttg 360
 ggagggagtg gaga 374

<210> 24346
 <211> 370
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24346

tctatctagc caagatcata caattgtgtt acaacatttc ctcacggnat ctaattatgt 60
 gggccattaa atctatcatg tgttgacagt agttgactag cccgcgaatt tcctctaagg 120
 ctgaacatac ttcggcgatg gcctttgctt tggctagtag acgcaggagg tcttgacttc 180
 catttaatgt caaggcgaac ctatccatcc acatgtgtgc ttcttgatgc aatgcatcaa 240
 tcacccttcc tcttgcttcc ttctcagcgc acgcttgggc caagtcctct actaatattt 300
 gttcatgggt aaaagactgg tttaactctt ctttgactg ccctattata actagcatgc 360
 tttgcttcca 370

<210> 24347
 <211> 547
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24347

tcgcgtacac acgtcacana catcncagta ctgtgttact actgctgaga cgactagctc 60
 gantttaaca catcgnacc actacacagc agaagagaac gttttgacac ctggnagctt 120
 gaaacatagt agcgattca accgctcacg gcgaaccatc agagccgacc ggcattgtctg 180
 cacgcttcag cattgacggc gaattaaaga agagaaggat ggcaagccct agaacttaga 240

tatcacacga tccagcaaaa acatggaata cctgctggag gcctctggca aagacaagac 300
aacatggaca aggctgcag aacgtgcgaa ggcataccca caagcggaaa catccataac 360
aagaggaacc atgacatggc gctacaccca cgtatggaca tcgaagacgt caagcaaagc 420
tggtacaagg gcatgaagga tcaatcggaa cacaagccat gaccagaaa atcgcgaaac 480
caagcatatt ggaccactat aacatgatcg cagaccaagc aaatacgcca tagcgtacgc 540
ctaaccg 547

<210> 24348
<211> 385
<212> DNA
<213> Glycine max

<400> 24348
agctttgtca tagtgcattg gaatcctagg aacacactct tttaaacacc ctttctctaa 60
ttgggttaaaa tctattgaaa actacaaagt tgggagaaaa tcattaaata tgatgtagga 120
cccacaaaat tgtcagtttc aataaatttc aacttatgag agtgtgttaa aaaaagtgtt 180
gcatagtgtg ttcccaatat ttctctgctt ggattactgt cactctgaaa caaaataatg 240
tgcagcatgg ctgatcaaaa tgtgggttta ggtagtggag cattttgtcg ccagtaagct 300
aaatgctggt gatattcaa tttagttcgt tggtaattta agtccatgta ttgggttagt 360
cacttggttg ataattttga agtac 385

<210> 24349
<211> 407
<212> DNA
<213> Glycine max

<400> 24349
tcacattgta caactcctgt tacgattaaa acgaccatta aattcaaaat attgccaaaa 60
acaattaaat aaagacaaag cgaaacgaaa taatttaact tacttcttcg agcaaaactt 120
tttgtttctt caagtcttct atactttcaa gaaaaaattc ttccttgagt ttcttcagtt 180
gacacaaaac ccaaaaatca tataaaacat ttcgagaag aagaaagaaa aaagcacagc 240
cccaaaaacc taaaaaaaat atagttatgt aaaccatttt ccttttggtt tcaatcaaaa 300
aaggcttgta gccggcgcgg aagagaatgt atggggcggg gggaagactt tttgtatcag 360

tacaatgcac ataaatataa ttctgatatc atcttctatt ctcacac

407

<210> 24350
<211> 395
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24350

ctcaagcttg caaagttatg tctcgtatcg gtttaattga ttatattctt atcgttatcg 60
attacatagt ttttttttag acaatgattg atttatttag gagtctctgc tttactcggg 120
tatcatgaga tataatcgat tacttctctc tctataagtg ttttagaagt gaacaagaac 180
actttaatca attactttga gtatctaata gattacattg gtcttgagtt gtttccagtt 240
tttgggaata acactttaat cgattaataa gataatctaa tcgattactt cattgaatta 300
attgattacc ttatagattt aatcgattac aggagttat aactattttc tctataaata 360
accatcttgt gttctctcct anacactaca gaaac 395

<210> 24351
<211> 383
<212> DNA
<213> Glycine max

<400> 24351

agcttgccac ttaccagtag aaatggagca taaagcataa tgggctttga agtttttaaa 60
ttttgatgag gctctatcag gggagaaaag gaagctgcaa ctcttgaggt tggaagaaat 120
gagactaaat gcatgagtcc ttcaaattgt acaaagaaaa agtgaaggct tatcatgaca 180
agaagctgct aaagaaatac ttccgatcgg gtcaacaagt tctattattc aactcaagat 240
taaagctggt tctaggcaag ttaaaatcta aatggcttag accattcacc atcaaggagg 300
tcaagcctta tggagcagtg gaattatttg accctcaatc agaaacttca gatagaagct 360
ggacagtaaa tggccagaga ttg 383

<210> 24352
<211> 358
<212> DNA
<213> Glycine max

<400> 24352

tctaaacttt atacaagaat gaagctctga taccacttgt tagacaagtg gcctcagata 60
tcttaagaag ggggggttga attaagatat tccaaactac ttccccaatt aaaaatctat 120
ttcacttttt attcaagtta taaattacct taataatgaa cttcttaaatt attgattcaa 180
ataaaacaat ttgaatataa atataaagca ataataaaca aaggagatta agggaagaga 240
aagtgc aaac tcagatttat actgggtcgg ccacaccctt gtgcctacat ccagtc ccca 300
agcaaccgcg ttgagagttc cactatcttg taaattcctt ttacaagttc taaacaca 358

<210> 24353

<211> 379

<212> DNA

<213> Glycine max

<400> 24353

agcttggcgc cttaatgtca gaatgaagtc actcatgaag tacgtttcat aagagattgt 60
gttggcagta ccttgaacct gattgttaat ttacattga agaatatgtg gggatttaaa 120
aataataaca cttgtttaaa gcttattgag aacgtgaatt caatatcaaa atattaccac 180
atttaattctt gctaaaacac ctatagacta gagattagag attaattcac atttcacaat 240
cattgttacc aactcttggg ctgcttgtgg attgatagaa ccaatgtaat gtaaaggcag 300
aaagaacttg cactactaaa aaattacttt gttacgacgc acattcaaag acggttatac 360
ataatcatct tagaatgtc 379

<210> 24354

<211> 405

<212> DNA

<213> Glycine max

<400> 24354

cactatacac aactcaagct taaacacaat tatgcaacat aaaatagaag ttgccatttt 60
atataatata tttaaaatgt gctctctaag ttgataccta acatcataat aacataagct 120
gattgcgatt tcaaagttct ttatactctt agaaaaaagg tccatacact ctcaatttct 180
ccttttcttt catatcttat gattaagaga acacattctc aaatcaagaa aacaaaatca 240
tatgactgaa tcgaatactt atcttctaata gatgtttctc tgttcacaaa taaaaccaa 300

tggttgaact tagttaagtt ataatcacta ccatgaatag cagaaaaagg tcagtcatca 360
 taaattgaat taatcatttt tacaccctaa gaagtaatca taaca 405

<210> 24355
 <211> 382
 <212> DNA
 <213> Glycine max

<400> 24355

agcttgacag acttgcaatt ctacaccta tcgagggtac cattctcgac atcggacaac 60
 attcgccat gcttgggggc ttgaaaaact cggcactctc ctacttgtca agactgccac 120
 ccccggcac atgcaatctc atttgacact ggacaacctc tttcgctcgt aagccggctc 180
 atagcttggg ggacttatgt actgaccaga gatcacaaaa tacacgagac atcttccatg 240
 gtactttgag acacacgtaa accctccatg ttagctctag cacaagagca cgggcaccta 300
 gcccttaaga gtcaagcttc ccgactgata gggtatctct gacctttaat tgttataata 360
 taatgtcatc cttcatctc tt 382

<210> 24356
 <211> 409
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24356

ntctctttcc ctatatattc ccttctcct tcacctttac ctccccaate tgtttctgta 60
 cctattaacc agccaaacac taaccacacc tcctctgcac ccaactcctg tagaactgac 120
 agaattcaaa ctagaccac caaatacatt gactatcaaa ccagtttcac atcagccatt 180
 gttaccaatc atccaggcac taaacacctc atttcttctg tgatttcta taacaagctc 240
 tcttcatctt atcacagctt cattcttaat gtctctgcta attctgagcc taagtcttat 300
 aatgaagcct gtaaacaatga ttcttgggtt caagctatgc atgatgaaat ttctgctcta 360
 gagaggaata atacatgggt gctcactgat ttacctcaac ataaaaatg 409

<210> 24357
 <211> 441
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24357

agcccattga ccttgatgct ttgaaaccag gcaanaccag cggagtcccg ggatcctcta 60
 gagggacggc aggtttgcat gtttatatag gaacctgagt aaacactctt ttaagatcct 120
 tcttccttgc gttgaacact ctgccaattt tataagggga gataaaaacg ttatattgct 180
 tgcacgcgcg cccatatacg agaggaatgg agatttctga atgctgtgta gtgcatacag 240
 ataaaaactc tggggattgc ctcatttagc catcgggtgct tgctgacaca ctgagccata 300
 cattctactc gtcgatgatt gcgtactatg ggtgacgaga agctaataca taacatggat 360
 tgtgactact ccctctgtga gaacgagatt acaccgttta tgaattacca tggatttaaa 420
 ctgcattgct atgttgaatg c 441

<210> 24358
 <211> 104
 <212> DNA
 <213> Glycine max

<400> 24358
 gattctccca gaattgaaat gggttgcgag ttacaactaa ctttcttcac attctcggca 60
 aggtcaatca ttggaaattc acctgcaaga atgaagtatc aaca 104

<210> 24359
 <211> 546
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24359

ctaacactct ctcacatttc tgancctacn ttcttgtgct gggcatatt agattcctta 60
 ncnatttga actcancaac ctctccccgc agcnnnnttt gatcccttgg agtcgttgat 120
 tcctataagg cgaattcgag ctagtcccg cggatcctcg agagctacct gcagtctgca 180
 gctttgactt taactttact tactaacgtg acttttaatt tctaactcaa caatctatca 240
 aatcagagcc gctgatcaat aatacgcaaa caaggcatat ttctctaact cgtcaggctg 300
 tctcacacca tactcattct tgccatggg accagaaatt gattttttaa acaccatgac 360
 gatgataact tctgtaataa gatataataa catgtatttc gttttatcat gtattaacac 420

atattgaagt cctataaact gccaccacc tcaaaatgta cctcactttt gatgtataat 480
aagcggttttc atcgacagga aacagaaacc cggatgggtt atgccacata aaaaaagctt 540
ggcctt 546

<210> 24360
<211> 467
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24360

gtgcgcccc ctttgaacct tgttgaacgc gtggcataac gagaccnnnt nganaantaa 60
gcttatcgcc aatccactag cccctactgt aacttaaaat attatgttca caaagcctcg 120
acgagctttt gcataaattg gcccttctag aggaccacca ccacttccga tatttttctt 180
gcacacctac actattcatc tccatttctg aatccgcacc atattaaacc cgaggtggag 240
gcgctctgat gggtcatact tcctttgggt ggaatcttca agatcaccca cattctgtta 300
atatcacctc cctttaaaga catgaaatgg cccaccatcg ccttctttta catggaggga 360
cctgtgttgg ctttgttaca gtggatgacc cccaaatggc cgcttacctc aagggctggt 420
ctccttaagc attggagggt cgtttgtgcc cgccacatat gaagatt 467

<210> 24361
<211> 361
<212> DNA
<213> Glycine max

<400> 24361

agcttgtgtt tttgggggtgt aagagagcac acaagtgaga gcatattagg tgggactccc 60
cgttaggcca acacttgata agcgctgtgc gataattgtt tctttgtgcc taaatgatgt 120
gaaatgcttg ctgataataa gtatgtgtat tgggtaggta gtaaagcact ttgccaatat 180
gcatgggctg tggaaatggc atgaaaaatg cttctttaaacc gggaaactat ggcgagaaat 240
tactctttta aatgtgaaca agtagtggaa atttctgcct ttcccctgaa tgcgtaattg 300
cttttcaagt gaatacacat cagtacggcg gcgcaccacc accaccacct cggcaggccg 360
a 361

<210> 24362
 <211> 371
 <212> DNA
 <213> Glycine max

<400> 24362

agcttatgct gcaaacattt acaacagacc tcctcaacct cagcagcaaa atcaaccaca 60
 gcagaacaat tatgacctct ccagcaacag atacaatccc ggatggagga atcacccctaa 120
 tctcagatgg tctagccctc aacaacaaca acagcagcct gctccttcct ttcaaaatga 180
 tgctggccta agcaagccat acattcctcc accaatccaa caacagcaac agccccagaa 240
 acaacaaca gttgaggctc ctccgcaacc ttccctcgaa gaacttgtga ggcaaatgac 300
 tatgcagaac atgtagtttc aacaagagaa cagagcctcc attcagagct taactcgcca 360
 gatgggacaa t 371

<210> 24363
 <211> 368
 <212> DNA
 <213> Glycine max

<400> 24363

tgccgcccag ctgcccagg cgagctcatc tcgcccattc gagcaagggt gcttcctcca 60
 aaagcaaccg ccttctggag gaatcttctg gagggcccaa atgggcctgg gtgctatatg 120
 cccccccatt tttactaagt acacccccct ctgctgtttt ttggtgatac ttttttcgta 180
 aagttacgga aacttacgaa tttcgtaacg ataactgggt tctttccgta atgttacgga 240
 accttgcgga ttacataatc atccgctttt tgacttacgg aatgttacgg aacctcactt 300
 aattatgcaa cgatgcttcc atttgatttc ccgtgtgtca cggaaactta ccgattgcgc 360
 atcaatat 368

<210> 24364
 <211> 370
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24364

agctttctct ttgcaaaaat tcattttttg gttgggtgtt ttggtttgtg cgaaagggtg 60

agttcgtcat tggaagtgcg gtaaacagac tttgtggttg atttacggat ggcctttgtg 120
gataactggg cgggtgggtaa ggagaagggtg tggtattggc tgagtaaaga cattgttggg 180
ttggtgggaa acttggccgt acaggaatgg cagtcacagc atgagtttct ccctcatcct 240
caccctctgt atttgccta gctntctcat tegtccaagc aggatgatta atattgcctc 300
ttttcagatc cacttcgatc tttttgctga cgaataccaa atctgtaaaa cttgaagggtg 360
tgtaaccac 370

<210> 24365
<211> 400
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24365

cagctntttg aatcaaagat tctaattatg attgatacaa atacatattt atacactaaa 60
atctttaagt ctttgcataa taagaatgtg tttggatgag agaattttaa attttgaaaa 120
atttaaaatt ctaataattt caaatacttc aactgaaatt cttttatttt caaatttttg 180
tgtttgata aaaaaattaa atttgtgaga gagaaagaaa atgagtcgag agtttgagaa 240
agagatttcg aaaactttta tgttggaaga gaagatgaat gtttggtata aaggaaatac 300
agaaactttt tagaaggaaa ttaaaatttc acattttttg ttgttaaaat tctgttttaa 360
aattccaaaa atttaaattc ttcataaaaa atatccaaat 400

<210> 24366
<211> 330
<212> DNA
<213> Glycine max

<400> 24366

tgagctatag aaatagccca aacaactccc tctagttcat gtgcgaagaa agaaagatat 60
ccacatataa aacatatacct cttataaag caccagagta atcatgaaat aacctaccat 120
atctaaggga accatgaaat gattttacca accttgggtg catgaatatt gatgttaaaa 180
gctttgatga cctgaaactc actcaaagag gatctcatat agcttgaagt aagataaccg 240
gccacaagc aacatatgag caaacataag gatcattgct tgctgctatg agacaaaaag 300

attatgaaag caggcttgat tgtggaactt

330

<210> 24367
<211> 401
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24367

ctttacattc attaatcaac aatttaacac gtatatgata tcaaatttcc ttttttagagc 60
tatacttact aaaatctaaa gttgtccctt tgtacggtgg acgtggccaa agtaagctct 120
aaaaactcgc acgtcgaact gagagtagcc ctttgttaaa aggacaagaa gggggacctg 180
caaaataaag gacttctgac cttgaataa agtacgagag ttaacgtgag aaaaaaatat 240
tgttaaaaga gtgagataaa acctggtact tatatagtgg aatggaagct gcccgtcctt 300
attggttggg attgttaccg tgttgaaca acccctgcag ataatgacta gcttgtagat 360
aattgtagct tacagataat gtgtaccttg tagataattc n 401

<210> 24368
<211> 366
<212> DNA
<213> Glycine max

<400> 24368

agcttcaatt tacaaccata ttgttgaagc tgtaataaaa gatgaaggtg gtatgggtttt 60
tctctatgga tatggaggta caggaaaaac atacatttgg aaaacacttg caagttcact 120
gagagctgac aataaaattg tcataatggt agcctttage gccatagcgt ctctgctatt 180
gtcttgatgt aaaactgcat attcacaatt taaaattcca gattgagttt ttgaagactc 240
aacttgcaag atccatcatg gaactcaatt agctgaacta ttaactcaga caagtctgat 300
catttgggat gaagcacgca tggatcacat attcagtgat gaagcacttg atcacagtct 360
tagaga 366

<210> 24369
<211> 377
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 24369

ntgaggggtgc gtagccacc atcttttcat agtagagtat cgataatgtg tctaccatca 60
cgattatcgt ctccctttcc atcattgggg gtaccacttg ggccgccaga tccctccacc 120
ttttggggtg gttctttgaa agatccgtcc ccctttttgc aaatgttctg tagttgcatc 180
ctatccagaa ccatatcaaa attgtactga tactgcctaa caaaggcaac cattangtcc 240
ttccaagaat ggactcggga aggttcgaag ttagtgtacc aggtaacagc taccaccagta 300
agactntctt ggaaggaatg tatcagcaat tctcatctt ttgcgtatta ccccatcttc 360
tgacaataca tcttttag 377

<210> 24370

<211> 379

<212> DNA

<213> Glycine max

<400> 24370

agtcttatgc acatttgaga gttcacatca agtgtgaatg ttattgaaat ttcactctca 60
agctactata ctatgtcttc ctatgaacga gctaattaat gctaataagg actacgcagt 120
tataatggcg ttaagttttc gttcacaaga cacacgcctc tgcattgtca tgaatgcact 180
gatctaagta gttatacgga tataatggca gaataaatat gcatgtccca acatcgatct 240
aatctatcaa ttttattaaa tctaatttaa aaaagcactg ttcttaattt cactatcata 300
tttatttagt taaatatagt taattaatgt ggcaaggctt ttgaataactt gctataatga 360
tagaaattat aatactgac 379

<210> 24371

<211> 335

<212> DNA

<213> Glycine max

<400> 24371

tggtagttga tatgaaatca catgtaagca tcatcaaaga tgcggagaag gtaatagttg 60
tgtacttgag ggggtgaggat ggatgccatc gaatatatct tagcggaaaa agcttcaata 120
ttacatcgga ttataccacg ccagatcta agatataaga tgtgggcaac acctaccctt 180
gatttacctt gtgaggatga gtgtcatcca aagcccatgt tatcgatggc ctctacgtgt 240

aatctatatc caatggtctg aacgcgcgtc atgtatcaca cacactatat tatcaaatgc 300
gctagacttg gggcgggtgta aagataaatt ttaaa 335

<210> 24372
<211> 322
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24372

tgtacattag aatccctctg tcccgtgcaa gagatattat cgttgntaag ggaaaaaac 60
aagagaactc aagttatcca ctctatTTTT actaagaact acgtagggtg caacattgca 120
cccatagaat aacacatgct agtatataaa catcatatat aagcccacga ttataactg 180
cgaaatagca ccttatgccc aagatattta ttagctaact tgtgatggag aaactaaaaa 240
caatcacatg tgaacttgta atagattatg acacatagta acgttttgca atcaatcttt 300
gaaacatcct tatattaatg ac 322

<210> 24373
<211> 360
<212> DNA
<213> Glycine max

<400> 24373

gagttttgct ggtttaacat tgtgagggac aacatgttgt aggccaatag aatgcgcac 60
cttcaagcgt gcgtaagctg tgatgacttc taatatactc gatcatttct aggtggatac 120
ctaagatgag atacctgaga tcgtggagcc agagctgatg tgaattccat ggttgtcact 180
tctatcgctt acattgtagc aagtgatgaa gaactcagtt ggattatgaa tctgcaaaa 240
cgaagacgtt gtgacaggca acgccagaat aatatatgag cgcttttgag ctgaagacga 300
tgtcaaagat ggatgaccc atgaagatcc acataggaga ctacttccag ctctatgagt 360

<210> 24374
<211> 381
<212> DNA
<213> Glycine max

<400> 24374

agcttcaaca ttcatatTTT gagcgtctcg taattttacg ggactcaatc agacatccga 60

gtaaaaattt attgtcgctt ggattggctc atagattcaa cattcaattt cgagcgtctc 120
gatatattac gggcctcaat cagacatccg agtaaaaagt tattgtcgtt tgaattggct 180
cagagcttca acattcaatt tcgagcgtct cgatatatga ccggactcaa tcagacatcc 240
gagtaaaaag ttattgtcgt ttgaattggc tcaaagcttc aacattcaat tttgagcgtc 300
tcgttatatt acgggactca atcatacatc cgagtaaaaa ggtattgtcg tttggattgg 360
ctcagagatt ctacattcaa t 381

<210> 24375
<211> 402
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24375

ttgagcaaat tcaggcgaca atatcttttt actcgtatgt ctgattgagt cccgtcatat 60
aacgagacgc tcgaaattga atgttgaagc tctgagccaa ttcaaacgac aataactttt 120
tactcggatg tctgattgaa tctgtcata tatcgagacg ctcgaaattg aatgttgaac 180
ctctgagcga attcaaacga caataacttt ttactcagat gtctgatata gtctcgtaat 240
atatcgagac gctcgaaatt gaatgttgaa gctctgagca aattcaaacg acaantaact 300
tttactcgga tgtctgattg agtcccgta tacatcgaga cgctcaaaat tgaatgttga 360
agctctgagg aaattctaac gacaataact ttttactcgg at 402

<210> 24376
<211> 363
<212> DNA
<213> Glycine max

<400> 24376

tgtcttgcaa gtttgaagac accttgagga agttcatgca agcctcattg actaataaga 60
agaatagtga ggcttcaatt aaaaacctag aaactttggg aggccaaacta ccaaggcaac 120
taatagacca ttttggagggt tgattttgag aaaacaccta atgaaatcct aaggagcgtt 180
ggaaggctat taatacaaga agtggaagga ttattgggag tgggtgtcgat gataacttgg 240
ctaaagacga tcaagtggat ggaggcaagt tgtacaaggg taagaaaaat gatagtgaga 300

gtgaagagga atccaattaa aaagatagag tgtatagaga ataagactca taatatgagg 360
gtg 363

<210> 24377
<211> 227
<212> DNA
<213> Glycine max

<400> 24377
tggacatcct ctgaggacaa tatcctcatt tcttgactg aatcgttggg aattggaacc 60
catcttttca atcaaattcc tagcctctgc aaggggacaaa taacctagag ctccaccact 120
ggtagcataa atcatactgc acttcatgtt gttaagaccc ttatcaaact attgaaggag 180
atgttcggaa atcttgtggt gagggcatct tgcacacaac ttcttga 227

<210> 24378
<211> 330
<212> DNA
<213> Glycine max

<400> 24378
gaccttagaa actcagcttg ccttggttta gacatgaagg atatgatacg tttcttgtac 60
gaccaaattg ggcaaaattg gatgagggaa agagtgggtt tcgaaatctg cactttatgc 120
agaatttcgc tgttgaaatg tgcagcagaa ttttgcttta gtgcagaaga atgctatgta 180
tctgctgggt gaggaagggt tagttcctat ggggttctgg acatttgcta gcaaattcca 240
acgggtcaaaa tgtagactta tgtactagag acttctagta aaatcttcca gtcgatccaa 300
cggttaacga attggaacga tgaaaatgta 330

<210> 24379
<211> 578
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24379

cttcccatcc ctctacctct ccacattnca tagcgaagac atattagtcc tctcacatcc 60
atttcacacc aggagaaanag tgaacgttga anctgatgca tcgaaaccca gggaantcaa 120
ccgcaccccg ggatcctcta cagactatct agcagggcatg caatcttatg cccacactac 180

cttacaaacg tgcacctgcc caagacattc tattaaccga ttaaattgcac ccacactcaa 240
 gctatggcag tcctgcgaat ccttacacca tctatcacgg aaccttccca acgtcgcact 300
 ttggttactg taccatcaca cgacaatact cacttcggcc tataatatta ccaatagcac 360
 tgctataacc tcaaattgcac tttctggaga gtaccaacaa caattgacac accggtacac 420
 cctcatcgac atctcctaata acccaatata tacaccaacc ttatgacgaa acctcgacta 480
 tctacacaac gaggtgctac atttcatgct ttgttcaagc gacagctacc ataaaccgga 540
 tgcccatacc agctttacca acattagcta acaaaaag 578

<210> 24380
 <211> 366
 <212> DNA
 <213> Glycine max

<400> 24380
 agcttgaatg gagcttacat cactgccctc cggcgggggc gcgaaaaggt ctctcgcattg 60
 ggccaagggg tgtgtcttcc attgaaggaa aacacgtgga gtcaccacca acgtttattc 120
 gagggaaaacg tcagaaaaac caaaaatgaa aaaggctcgaa ggtttgcata ttttgaaaat 180
 gaaggtttgg gagttgttta cacacgggga aggtattagc accccacgcg cccttcataa 240
 gggacaacaa cctctaataca agtgtgcaaa tcatgatttc aatattattt atttcctac 300
 ctctaataca gtgtgcaaat catgatttca atattattta tttccctttt atctttattt 360
 tccctt 366

<210> 24381
 <211> 212
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24381

ttagagtttc cttttgttaa agaattatgt cttntgttct tgaagctata atataatgat 60
 ctgtcttcat ctattcatgt gcctctaccc attctcattc atttgcattg ttatttcctt 120
 gttacgctta aaaagatata gtcttgcgaa ggtactaata ccagtgaccc cgccgtccat 180
 ttctggcaaa aagcaagtct ggtagagaat ga 212

<210> 24382
 <211> 380
 <212> DNA
 <213> Glycine max

<400> 24382

agctttggag attttcagtg ccaattcgcc ttcttcttcc gtccagtctt cttctggctt 60
 caattcatca gtgggctatc cttctgtgtc cagcatcttg ggatgttccc agcctttgat 120
 gacagctttc caggttctgc tatccagtga ttagaggaag gccaccattc ttgctttcca 180
 gtattcatag ttggttccat caagaattgg tggctgttc actggtcctc cttctttctc 240
 catgttcac agattttatc tccctaaatc tcaactctgag atttcgagcg ttggctctgc 300
 atccaattga aattctgata ctggggacag atgtcgtaca ggatgccacg acttcacgct 360
 tcataacact cagattgtat 380

<210> 24383
 <211> 486
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24383

ccccccctt cacaacacag gatatgagag attcaatcac tcaactactc tantccccag 60
 ccancnccc ttgaacctgt attctgttcc tcacaaccac nnggagaaaa gatgggtgca 120
 gcccataagc cgatctcgaa agatctctgg ttttccacag aagttcaaga ccatagccat 180
 caaagtctga aaagagtatg atgaactaaa gggacgccat atggccaccg ctcaagcttt 240
 tgaacaaaaa acccagaacg cctgaaaaga aaaacaccac ccaagccaag ctctgagggg 300
 ccttaaattgg gagaaataat gagctcaagc ctcgaacatg cgaagagaaa ccatcatggt 360
 caacagcatg aacttgaaag acgaactaaa agcctgcctt agtcgaaaag aaattggcca 420
 acagataatc aaactgacgg aaatgtgggc cgcatacaga aggcaagaga aacaacctaa 480
 cggcac 486

<210> 24384
 <211> 368
 <212> DNA
 <213> Glycine max

<400> 24384

agcttacatg ggtttctaga agtccaaagc agatgacgga cacctgttaa tcacataggc 60
aaccgctgtg cgcagcttcc ccccatatgg accttggcag gccagcactg agcaacatgc 120
accacacttt atccaatacg gacctaaaca tacggtcagc acaaccatta tgctgaggtg 180
tgccaaggac tgtcaagtgc ctttaagatac tcaactttccc tgcaaaacac attgaattgc 240
tctgaaacag actacaggcc attgtcattg cttaaaactg ataatatagc accaagttga 300
tttccaataa gaggacgcca ctctctacat ctttgaaaag cttctgactt atctttcaaa 360
acatacaa 368

<210> 24385

<211> 380

<212> DNA

<213> Glycine max

<400> 24385

agcttgtatc catggcttcc tatgggtggtg agcttgttct tgactcatct tctccttgaa 60
gtggcatctc caatcacctt tccttctttt ccattccggt gtcattgatc ttcaagaagc 120
aaagggtctt attgatgaag aagatccaat gcttacaagc tctatatgga gctacatcag 180
tttatgagat atagggtgaa gttgtgtata atatttgatt gatatcattt tttgggggat 240
caaggatata atgcatatgt tacaatttag atgcaaacia aatttgata gactaaccac 300
ccaatttggg tgttgcaaca acattatgaa ctaaaagaga aaaatgtcca acaataaaaa 360
ttacctttga agtaagggtc 380

<210> 24386

<211> 382

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 24386

actcaagctt tcaaantat tgaataaata agcaactaac taaaacttaa agttaattac 60
atctactgaa aataaaatgt ataaaaagtc taagaaataa atccaaatcc tgtcatggct 120
catcctgtgt cgttgagggc tcatccagag gtgaagagga agcatcctgt gccggcaaag 180

gaatatcttg agccataata ggccatgggt cccaggtgct ctgtgctgcg gtcatatcaa 240
 ttgcataatc cgcatacagca acgccatcct cctctttaga gaccttcaaa ataggtgaag 300
 taactggtga agctggtgaa gtagcctttg gagtggcctt tggaactacc tctagatgag 360
 gttctgactg aagctcctgg gc 382

<210> 24387
 <211> 376
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24387

agcttctttt gatctaaaat gataggaatt taacttgttt tgagttttta tctagaggat 60
 gctaaagtta gtaaatttac agtatttttg ttctattttt tgtaaagatt gacacaatag 120
 gaggtaaaga tattgaagaa ctggaacaac gcgctcagtg cgataacacc tactcagcgc 180
 aaagagccaa tctgaaggcc aactatatcg tgcaatagtg cacaattgac agcttagcac 240
 atgatcactt aagccaacta gactttgcat atggactcag ggagcacatg caagcctagc 300
 gcacaatcat tgtaaaaaaa tatcattgtg taacattnta aaaggaaaag gagggggaaa 360
 aactgtgcc attaag 376

<210> 24388
 <211> 408
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24388

ctatacacia ctcaagcttc gacggaagtg aagtgcggtg aattgcgggc gttattgttc 60
 tttatatata tgggaatcga aatgtaaaac gagggtttct gtttagtggt aaaatcgcaa 120
 tttaagagtg tagaagccca aagggtgaat gtcaatgagc taggttggtt gctttcagac 180
 ccaatagaaa ttcagaggcc cattgttggt gtcataata atattattaa aacttttcaa 240
 ccacgccaca tgttttttta atntatttat ttattttatt caattactca atctattatt 300
 cattatttta ctgtgtttct tttctttgaa aatatgcaca atgcatgaaa ttcaatgcta 360
 gttgttcaaa taacatgata aaagtggaac atatggaaac aacgaaaa 408

<210> 24389
 <211> 365
 <212> DNA
 <213> Glycine max

<400> 24389

agcttggcat ttatgtctc ttatgtcatc agggtgactt aggctaagtt actagataat 60
 tcaatgagca ttagatgcga cacatgagtg atgtccttgg cacaatattt cacactttta 120
 aaatatattg cactttcctt ttgattcag aatgatgatg gatgagccta aagggtttgt 180
 accctagttt gacgtgtcag tctaaattac gtgttcccaa catggcatgt cgagcattgg 240
 tgggatatta aggtgtatat gatcattccc atatatatgt tgtgatatgc atacataact 300
 gtcattattga tgataaccga gtgaagtctg ggaagaccaa aatgcatttt gatatgtctt 360
 acata 365

<210> 24390
 <211> 407
 <212> DNA
 <213> Glycine max

<400> 24390

tgtatagtat atgtctaag agtaatgact cagagcttat atgatgttat cgacaactca 60
 caaaaggata taaaactatg tgcaataata tgtaattca taaggggacc tgtaatttaa 120
 cgtcatattc catttcaaac agttttatct tatatcaatt atatgttttg tcgtcattaa 180
 ttagataaag gaatgtgatt ccggaagaa attattatta caagaaaaaa aaaattaaaa 240
 tgacggcgct aattttataa acccgtgcat ctaatcagat aaagcattat taagtaaata 300
 taaagtaagt atacgctttc tgcataagta atcgagagca aatcaagaag aaaagactaa 360
 gctaaacgca acctaaatta attaaactct aagatgtcga cgggttaa 407

<210> 24391
 <211> 329
 <212> DNA
 <213> Glycine max

<400> 24391

tccactattt tcttacgaaa ataaaaatac ttgaaaata gtttataata gctaagagtt 60

attgaactaa tgagtgaat acacttctaa aagatgagaa aataaaatac ttacaatatt 120
 taattgagag aataaatatg ctatttattt taatttatat aaatacataa attagtaaat 180
 aatatttatt cgaagagaat tgactggcat gtaatttgg ccaagtatac cttaaaaaaa 240
 aatacataaa ctaagaataa atttacgaca ttgtcgccat cttttttgtt actcaaagt 300
 tattttctgt cggaattggc ttatctgct 329

<210> 24392
 <211> 280
 <212> DNA
 <213> Glycine max

<400> 24392
 cattctaaat tagagattga tacacaaatc atagctctat gcttagcatt ctcataacaa 60
 ttaagttcat actctcaccg gggttatggg caagctttgc tttctcaatc aatctgtcca 120
 ctgactaaca tttctaactg tgatcctact ttcttgttct ttctcatcta catacatgct 180
 cattcaaagc tcatgacttc aacacatgct tcacccttcc atgcaatcca ttcacaacac 240
 caatttcgca caaaaataat tatgtttgca ctgcataact 280

<210> 24393
 <211> 357
 <212> DNA
 <213> Glycine max

<400> 24393
 tggaggctgg aactttgagc cccaatgggg caccttaatg gcgattaccc accatatgga 60
 gacgcagcga aagacaaagg aaaagacgcg agaggacgcg ccatccgtta atgaataagc 120
 catggaagaa tgagcttcac caccaataag agccttggat aagaagcttg gagaggatgc 180
 tcctatggac gaaaagaaag agagggataa agacagaggg ggggagcaca catatgaacg 240
 aagaaaaaag gacagaagtt gaactttgag ttgtgtctca caagactctc attcatcaaa 300
 cgtacaacta gtgtgacaca tgcttctatc taaagactac gtagcctccc tgacacg 357

<210> 24394
 <211> 372
 <212> DNA
 <213> Glycine max

<400> 24394

tttgcaagct cttggtgcga aggtggaggc tgatcaatta ccacataata ataaggaggc 60
tgacaataat gatgatattc atcaacactg ctatggctac gatgagatgg ctgtggaggc 120
tattcctgta tactgcagaa tggctgactg tacaccatgt gataataggt accctgtgct 180
tgcattgtcat aatgagcctg ctactccaca gcctgcttct gcatatacaa tcaactgaaat 240
tatgaatgta ttacaagttg acaataaggt ggatgaaaag caagtctctt aacctgcaga 300
tcacgggaat tctaactcaa tgcacatgct tttcttggat gccaccatt gctatgatgc 360
gaatgagtca ag 372

<210> 24395

<211> 382

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 24395

tgcagcatta aaagtagcta tagggtaaac cttccttctg aaattccctt gcttgcctaa 60
gaatacattt ggcattttta taggtgtctt atgttggttg ttgagtctat cccctttgct 120
tttgaaaaca atagttaaaa cttaagatgg agtcttatag acgcatccaa cattagaatg 180
atcgacgtct ctgataatat cataaattaa tttgattaat tctcacgggtg ctttgcagga 240
tttcgatgct atgcctctgc agctatatca cccctccatt atatgctctt gtaactcaag 300
tataccttca cgtttttctt tccttagctt tctgctgaga cattcttgca aagtttgatg 360
atntcatcaa atcatatata at 382

<210> 24396

<211> 372

<212> DNA

<213> Glycine max

<400> 24396

agcttgcaat tttcgcacaa agaattctt cctctcgctt tctctcgcc ttcttttaag 60
gatggtttgg ttgtcttcaa atagatgaaa aaaatttcaa aaatttgtat ggatctgaca 120
cttccttttt tctattttta ttcaaattt ttttctcaat tacctttcat tcattctttt 180
tcacacaatc aaactgcccc ttaatttca cctacctact acggcctcaa tgatttgtga 240

atatgccgat gacaagcacc aaagtaaaaa agagaaaatt aatttaattg ataatcttat 300
 tttgtcttaa tctatgctt cattgactaa tctaaaattt gacctaaaat ctaataaaaa 360
 attattcata tt 372

<210> 24397
 <211> 363
 <212> DNA
 <213> Glycine max

<400> 24397

tagatcattt ttttggtgag agcacgaaaa tattttccat ttactaagga attattcttt 60
 ttctttttca ctttcttttt gctgatacca gattctgcaa agttaaactt ccacattggt 120
 atacttatta cttattagat gtttctctct ttaaaacat agaggaaatga ggaccgtggt 180
 ggggtgggaag aaccgaagaa gacagatgat tttagtgaag gacttattgc ttctttcttt 240
 tctccatta ttttgtttgt atttttcacc aactgaatga aataacaaag aaattcccta 300
 tcaaagatct tacttattat tttogaagac atttctttct tatatgacgt tgaatgttgg 360
 ccg 363

<210> 24398
 <211> 373
 <212> DNA
 <213> Glycine max

<400> 24398

agctttgaat gtagtcatac ctcacaaaat atatgtatgt gtgtttaagt agcgaaaata 60
 ccttagatat gcatgtatgt aatttaggta gcaaaaaaat acctcacaaa agattattat 120
 ggaagggtat tactggctca ctgtagtag tcttttacga ctaacttttg tatataaaag 180
 ttctcaaaaa tgtaaatatt tcacccaatt tatgggtctt tttggtagga tagtaaatat 240
 ttcttgttta atttttatat ttgctcaata gaagctatct gttggatttc ccctgtagtt 300
 actttatggt ccaactgtttc tttgtacaaa tatgttcaag gaaaatctgg tttgccggac 360
 agtacatcgg atc 373

<210> 24399
 <211> 399

<212> DNA
<213> Glycine max

<400> 24399

tgtcttcaac aaacaaatca aaatctatct tctgattttc attacctagc tccagcttcc 60
tctcccccat atcaactatg cagcttgccg tcaacatgaa tggccttccc aatattacaa 120
ggatgtcagt atcttcagag atatccatta ccacaaagtc tgtcgggaag ataaaatggt 180
ttactctgac caaaacatct tcaattactc catatggcct ggtaatggag cagtaagcta 240
attgtaaagt cattcgagtg ggcattatct ccaactcttc caatcttctg cacatggaga 300
gtggcatcaa attgatactg gctcccaggc caataagagc ttttcccaca ttgacttctc 360
caattgaaca aggaatcggt acactcccaa gatctttat 399

<210> 24400
<211> 315
<212> DNA
<213> Glycine max

<400> 24400

atctttttacc aaaggggagat ggaccatttc aagtgcccgga aagaatcaac gacaacgctt 60
acaaagctga gctgccccga gagtataaag ataactccac cctcaatgac tcagaataat 120
ctcttttttga tgcagacgga gaatccgatt tgaggacaaa tctctctcaa gagggagaga 180
atgacgatga catgttcaag agcaagggca aggatccact tgaaggactt ggaggaccta 240
tgacaagggc tacagcaaag aaagccaatg aagctcttca acaagcgctt gccatactat 300
atgaatacaa gccca 315

<210> 24401
<211> 385
<212> DNA
<213> Glycine max

<400> 24401

agtctctcag gatgatgcct atcgaaacatt tgctaaccaa tatcatgcaa atttcattca 60
gggattgaat aaaaaaactc attagccgac atcggtcgtg atgtagcccc aactgtgatg 120
agaatcatga aactggccaa atacaggcta aaggcccaag tggagaagga caaaggccta 180
tgtggagaag gacaaagccc ccgagtggag aaggatgaag gcccaagtgg agaaagatga 240

aggcccagag gcagaggcac tatcaagaca attaatgttg ctgaaggccc aaactaatat 300
gaaggcccaa gttaaataata ttttttagtt ataattttta tttatcggtta atttggccca 360
aactatztat aaggcccatg tctat 385

<210> 24402
<211> 383
<212> DNA
<213> Glycine max

<400> 24402

agcttgtcaa tacttttttc tcttatgttt ggctctaatt gagacatgga agtacgcatt 60
atcttcgtcc tccaatttga gccagtcaag ttttgatctc tgttgtagaa tttcctcacc 120
aatctcgttc cacctaataca cagtttttgt acacatatcc actctatcaa ttttctcttt 180
attcatcctg tcatttacaa gcgagtcttg agcttcagca agatcttccc gagctttggc 240
cagctggagt ttagtatgag caaattgttt tgacaaagta cctaaaaatt gtcttaatat 300
tttcaatttc ttccacatcg ctaccatagg actaccatca acagggctat tccaactcta 360
tgcgacagcg tcatcaaac ctg 383

<210> 24403
<211> 362
<212> DNA
<213> Glycine max

<400> 24403

tggttaataaa gtatgatgtg tttttggttt gtagtgatgg agaaatggct cgttgaaaac 60
gaaaatgttt gttcttttgc tttcttgatg ttaaattgggt gtatggactt tgtgatgttc 120
attaccagta tacatatata gtacgataaa ttaataacaa gactatcttt gatataactg 180
gactgtgata ggatgcagtt tctcatgttg gtacacaaat ttttttatta tacgaatttt 240
aacaaaaatt agccttagag tttaaattgt gaaacactct tagcgtgtaa atattatata 300
tgatatcatg tttaactata ccatcatata taataggatg acatataatt aaataattaa 360
at 362

<210> 24404
<211> 381

<212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 24404

 agcttgatca ggtaacctca actatatagc aatttgaaga ctgttattag aatgacattt 60
 aattcatgac ttgttttctt tttttttact tttttttcct tttcataatc acaccacccc 120
 taaagaactt ctaaaaccag aaatcatgcc attacaatgc aaaaattcta aaataaactt 180
 aactgctttt tgacagtttg aataaactag tataactggc ttaatttgat aactagatcc 240
 aagttcaaag attttcagaa attctggagc ttgggttttt tttttttttg tctcaacttt 300
 ttactccaga attaatacata ttctttcggn ggggcttttt atcttgacag gatttatttg 360
 cgatggccgt gtcacgctat t 381

<210> 24405
 <211> 364
 <212> DNA
 <213> Glycine max

 <400> 24405

 actcaagctt tagcatgtgc tttactgaga agaaaatgcc gtctagttac tgggggttct 60
 gacaaccatt taatactttg ggatttaagg cccctgggat tgacaggtat tgtatgagca 120
 tgccatattt ttatgatata ttgctaattg atttttttat ctgtctaata tctatgtgtc 180
 cattagaatc aactagttta catgttggct acacattgca ttagactcaa ctagattctt 240
 tgacatttta tgccttcaca ttacatata aagatgggca tatgggtttt atagaaagaa 300
 tagggcttcc taggctttcc ccccaaactg cctaggtgtg accttgatcc aggcattgtc 360
 ttta 364

<210> 24406
 <211> 382
 <212> DNA
 <213> Glycine max

 <400> 24406

 gagcttaatc agttattctt ccttttcata tcaaatataa agagaaaaaa acacattttt 60
 ttttttctca aataactact tcaaaaaaat ttcaacaaac tttactttat ttaatattat 120

tatctctaaa tttcaaccaa cgtgaaccac gtatattgaa ccttaacaaa atttatttct 180
 tggtcgagat gatcataatt cacgttggca aaatgtggta attggtcaaa tttatcaaatt 240
 tttacaacc tataaaatct tcacttggtt tcacaaatga atatcaatta ttagatataa 300
 atattataat ttgtaaccga gtaacactac ttaaattatta caaataaaga caactaaatt 360
 ataaaaaaaa agaaacaggg aa 382

<210> 24407
 <211> 409
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24407

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 acatcaaagg attatgccaa actttaggat ctctccctat tgcccatgca tttactatga 180
 tccttgattt tttctttatg aaataaccat caatagtaac atcttctcga ctctcacgag 240
 gtacgagcaa cgggtgcaacc ggggtgtaac gtacgctctc cttcaccacc atattcaagt 300
 aagccagtn ttctaagtca atttctcca cgtgtctgtt catccccact acattntcta 360
 gctcatcttg aagtctcttc atcacacttt gatgcctcaa gagttctga 409

<210> 24408
 <211> 212
 <212> DNA
 <213> Glycine max

<400> 24408

tttcatacgg gcttcaaaat catatttcat acctttatct aagcgattgt agcataaagc 60
 ttcttcataa ccttttactt tgtagatctt tctttacct attaaaactc atccataggc 120
 cacgttactg acacagatta tactacgtct ctccactata tgggctcgaa tagtgtgtaa 180
 taaggatcat acttatcata ctatgagttt at 212

<210> 24409
 <211> 207
 <212> DNA
 <213> Glycine max

<400> 24409

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tgagatatcc attcccttgc gacgccttta cgagggtgtgg cagagacttc cttgctatgt 120

tcgaaaacta taaaattgct ttcattctca aatgtagcgt ccctatccta aagacctgca 180

ttcttattct tccaaagaat attcttg 207

<210> 24410

<211> 374

<212> DNA

<213> Glycine max

<400> 24410

tttgcaagct tgatatatat actacaatgc atccctacac cttacaaacc agacccgacc 60

actatgtaag ggaatattga ccaaaacttg ccacatgggc aagataagca acacatttta 120

gttccacatt gagcaacata accttaggaa tatctttggt cctatatata cagaggaaca 180

ccaagacctt aggagcatca aagaattaag tgggcttagc atcaatcgcg aaaccatta 240

tagttaatat ttctatctat ccctttgagt ttcaaactca atgcatgtag gcggcttggt 300

ttcgtgttat aaatcacact catgtttgtg ctatagttag agttgacgtg gagatcatgg 360

tggacgacac tate 374

<210> 24411

<211> 347

<212> DNA

<213> Glycine max

<400> 24411

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tgcttctcgg gtgtcctcaa atcagaaagc acagagaact gtctctgggt gcacctattg 120

cacatataca tcttggggca gaggtcctc ttgtaatgga tctcggcaca aatcattgac 180

ttcaaagggt ggaactcggc atgcctttgg ttccatctac acccttggtg agggcacgaa 240

tatctctttg tcacactatc ttctgcacct aaaaacaaca cattactctc ctttctgtgc 300

ttttcttcat gggatgcgca aagctgcact tgttttgact cttccca 347

<210> 24412
 <211> 365
 <212> DNA
 <213> Glycine max

<400> 24412

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 cgccaagtgt ctcaaagcgg ccaatccaag gttgtatatc atcaaataat aatccccgga 120
 cgaaattagg gtatgacagg agccaccaga accaccttag attgttttgt cttttttctc 180
 ttccttcctt cctactcctt ctccttacct tcttctcttt cttaccttct ttgtaacacc 240
 ctgaaatttc atcttaaatt atttcctaca ttgtgaaaga ctagatagtg taagttcact 300
 ctatgtaaat ttactttgtg aatgtatgaa tttaatttat tgggttgata attctaattc 360
 ttgaa 365

<210> 24413
 <211> 364
 <212> DNA
 <213> Glycine max

<400> 24413

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 ggtgtaactt tgtttcttcc caaccacaaa aaattaaaaat aaaaacgccg ggaaagcaaa 120
 atatgaaaag atacaacctt gttaatatat aaaagtcaca aaatgatcac acaaacgtgt 180
 ttgcatcgaa aacgcgttta aaaataataa aaacaccgac ttcgtatggt tttacccttc 240
 aaacaggtag cacccaaaag atatattttt gaataagttt tctgtctcct catcaatata 300
 aagagaagaa acggaaacgg aaacagccat agcgaataat tgaaacaccc ataaaaagaa 360
 caaa 364

<210> 24414
 <211> 316
 <212> DNA
 <213> Glycine max

<400> 24414

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 tttgattatg ctacttcgat gaatagaaag cctggggcat atggagagaa tatgaatgag 120

ggaggaaccc atgatgtgac tgtcgttcct acatggccaa atttcccact agctcaccaa 180
 tatcaatact gagtcaatat cagtgcctttt cattaccacac caccctacca gccaggaaca 240
 tcctattatg cacaaaggcc gtcctatat cagtcacgaa accccgctac tgctcattcg 300
 aggcccaaca acaccc 316

<210> 24415
 <211> 241
 <212> DNA
 <213> Glycine max

<400> 24415
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 ttttccacca tggagatgca tcggaagaca aaggaaaata tgtgagagga tgcgccatcc 120
 attaatgaat aatccattga agaaggagct tctccaccaa gatgagcctg ggataagaag 180
 cttggagagg atgcttcaat ggaagaaaag aaagatggag agaaagagag agggggggagc 240
 a 241

<210> 24416
 <211> 333
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24416
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 tttacactta ctttcttttt agttggaact tcatcatttg tttatgtcag ctggtgcctg 120
 tattattagt attttttttt aacggtcttg ttgaagaacg gtagctttca ggtttgagga 180
 agagtaaatt tgtcaatggt ttctgagagt ggatgggttc gttggaggcc aagtcttggc 240
 attctgaate tgcagattca gaaacaaaat gttattccaa tagtgattga acctgtgaaa 300
 caatactatg tgatatttgt tcaaggcctt att 333

<210> 24417
 <211> 535
 <212> DNA
 <213> Glycine max

[illegible]

<210>	24418
<211>	366
<212>	DNA
<213>	Glycine max

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catttgact	atgttttgat	gaatgctttt	ccaaatttag	tgtattgact	atcagaatag	120
acatattgga	atggtggtag	tcaggtcaat	attataatgg	tgatgcttaa	aattggagaa	180
aaggttttgt	atgataatca	gagatacaga	gagtaagaga	tactatgtaa	agatttcctc	240
cagctagatg	cttgtgaaat	attgacagca	tattctatca	ttgtcattct	tgcattcctt	300
aatcaaactc	caaccagtta	cctagaatct	cttcccaatt	aatcaccctt	gattatggtg	360
taaaaa						366

<210>	24419
<211>	383
<212>	DNA
<213>	Glycine max

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agatccacaa tttttttgaa tttgaattcg gtgaagaata aaatccaaaa cgccaaccat 120

tatatacatc attgtgcttc ttgatgagag ttatcaagac agatttgaat cttctaaagc 180
gagtaaaagt aaattaagta atactagcga taagaaaatt gactattaat attctaacac 240
attcatgatt tgttatatac agaaatatta ataacacacc ttcaaacaca ctcttttgaa 300
cattccgtcc actattgatt gaaatttaat gaaaattaca aaattttgtg gatcctacta 360
ttatttaatg agttccactc aag 383

<210> 24420
<211> 383
<212> DNA
<213> Glycine max

<400> 24420
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aacttttcat ggaaaagtac cgtatggttt gtcttattac taatctatgt tacatgtttt 120
catgcagata aacaaaccac atcttccaat agcatctgga caattctcct ttaaaaactgg 180
tgtcattggt tctgcatcat ttttagctct ggtgccacaa ataatcatct atttctacaa 240
tgatattttt ttaacatgag ttttattata aagggaatta ttattctatt cttttttcca 300
aagtgttggg tttacttggg ttacaggctc ttggccgttg atatggaatc tcatagtaat 360
ctcttcaacg tggactgctt att 383

<210> 24421
<211> 287
<212> DNA
<213> Glycine max

<400> 24421
agcttattga acatgaatct cctcttttga acattttacc tacagggtga aaccatatgt 60
agctaactct taaagcttac aacactgctt cttttatgat taggttcta ctattaaagc 120
tgagttacaa cgactgacag aggacaacaa cactctaaga atgatgcttc aagttctaag 180
cagcaagttc acaaagcttg agacccatct tctagacatt aacatgacac aacacaaggg 240
cttgacttca aatcaaatag ggatcatgat agtaccacct atgtttt 287

<210> 24422
<211> 355

<212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 24422

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 agtagcttgc ttctctttca atatagcaag atcaagatcc aaaacatcga gatgttttgg 120
 attcctcctt cgttgcaatc ccttttatgc caccaggtt cctcctcttc tctttaattt 180
 tggtagtatt tgaagtgagt atctgggtctc cttaaagttc tcttctttat ccctcttgat 240
 gggttttctc tcctatctat agaggcttgg aaacattttt cttatcacia ttataatcat 300
 ttaaattatc ttcttatggc aatgacgaca actaccattg ctaccacttg tggct 355

<210> 24423
 <211> 380
 <212> DNA
 <213> Glycine max

 <400> 24423

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 gtgattgggc tctctcttcc cttcgaagct tgagctcact gttgctgccc cataaagctc 120
 cagcaaattt gtcacggcca tgctcttctt tgcaagccct cttgggtttct tgttcaaggg 180
 ctcttgcggt agctgcattt tcttctogta acccgacaca ctttttccgg acgtctgtag 240
 cgaccaactt gaatttttct ttggcaagtc ttgcttttcc tagttttggt tttagagctc 300
 ggacttcttc atcctcttcc ggagcttoga agctttcttc gtcgataatc tttagcttgg 360
 agagacaatc taaccctcgt 380

<210> 24424
 <211> 392
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 24424

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 tacctggaga tatgtcgcgg gggtcaggag accttgagga cgtcaagtgg ggtgctattg 120
 cccaaaacca agcttgacca atcccgaccc aaccggggca tagtcagtta gtgagaacct 180

gtgatgtacc taaacaggcg agctcctggc agtcaacaga taaaaggaac aaagaccaca 240
aagcaaggag gcttgtgtgg tggctggcca gctgtgaatc ttgtgtgata tatgggttat 300
ggcctctggt aatcgattac caaggggtggg taatcgatta caaggcttaa aaatgaagac 360
aagaggctta gatggtcttt cgtaatcgat ta 392

<210> 24425
<211> 382
<212> DNA
<213> Glycine max

<400> 24425

agcttgccac cctgctcgcc caggcgagca aggttgcttc ctccagaagc aacagccttc 60
tggaggaatc ttctggaggg cccaagtggg cctgggttgc atttgcaccc ccatttttac 120
taaatacacc cctcttgccc ttttttgggtg attatttttt cgtaaagtta cgaaaactta 180
cagatttcgc aacgatactt gttttctttc cgtaacgtta cggaaccttg cggattacat 240
aatcatcccc ttttttgact tacggaatgt tacggaacct cactaattgt acaacgatgc 300
ttccttttga tttccggtgt gtcacggaac cttacggatt gtgcatcaat accttctttt 360
gatttccggc atgtcccga ac 382

<210> 24426
<211> 388
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24426

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cgtgagctca atgaagggtg gcaactgggg atggtgggtt tatgtgtgat ctgtggatgt 120
ggagagttga cttgcacat cgcccgaccg ccacctagta ccacatgtga tgggtgcccc 180
ataatcctac aagcttgaaa tgaggaaatg tggaaagggtg agacttccta cttttattcc 240
ttgaccacag agtgggtacct ggagatatgt cgcggggggtc aggagacctt gnggacatca 300
ngtgggggtgc tattgccc aaaccaagctt gaccaatccc gactcaaccc gggcatagtc 360
agtcagttag aacctgtgat gtacctaa 388

[illegible]

agcttaataa	gaggcatgct	aagtgggtag	agtttttaga	gcaatttcca	tacgtcatca	60
aacataaaaa	ggggaaaggg	aatgtagtgg	ctgatgcact	gtctaagaga	catgctttac	120
ttgctatgct	tgaaactaaa	ctgtttggtc	tcgagtcctt	gaaagacatg	tatgtgcatg	180
atgtggactt	tgctgaaaat	tttgctgcat	gtgaaaagtt	ttctgaaaat	ggttactata	240
ggcataatgg	attcttgttt	aaagcaaata	aattatgtgt	gcctaagtgt	tccattagag	300
agttgcttgt	gagtgaatcc	catgaggggg	gttgatggga	cactttggga	ttaaaagacc	360
ct						362

<400> 24428

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tgtggagagc	ttccgttggtg	caattttgag	cgtctcgata	tattatgcgc	ctgaattgga	120
cttccgtgtg	attagttatg	accatttgaa	tttctcgaga	gcttacggtt	ttcaatatcg	180
agcgtctcgg	tatataaatgc	gcctgaatct	gacttccgtg	tgacaagtta	tgaccatttg	240
aattttctcca	gagcgtccgt	ttgttcatat	ctagcttttc	tattttattat	gcgcctggat	300
tagactttcg	tgtgatatgc	tatgaccat				329

<400> 24429

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tggaggaatc ttctggaggg cccaagtggg cctggttgct atttacaccc ccctttttac 120

taaatgcacc ccccttttct atttttttgt aattcttttt ccgtaacgtt acgaaacttt 180
 acgaattttg taacgatact tattttcctt cctcaagggtt acgaatcctt acggattatg 240
 tatttactct tttttggctt ttaaagaagt tacagaaact cacggattgc gcaaaaacac 300
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 gacttcattt a 371

<210> 24430
 <211> 369
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24430

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 atgtcctaca ttatttccat gatacacatg caacaatgat gattaggaaa ttttatgcaa 120
 aactgggtcat gcatgcaccc atgtggacac tcaagcataa agtttttatg gtcattgtgac 180
 actagggctc aagattcatt ntccctatgt aagtcaaccc agtggtttcca aaatatgtct 240
 ttttatcaat ttatgcattc atccgagtcc cttttgtgcg ttccgggaaaa ttttcacagt 300
 attcaccctt tacgtgtata cacattcttt ttttcaaaca aactgggttat gatagtgaaa 360
 tcatttttca 369

<210> 24431
 <211> 371
 <212> DNA
 <213> Glycine max

<400> 24431

agctttttgtg ttctgagaat agttacgtca caactcgagt gatgggggaca tttggggttag 60
 tatgattaag ctaagcattc tcttatctct cttaccaaata tataattagt tcaagttcct 120
 gtatgattgc aatgtgtaag tggtccttaa tgtttaaagg tcaaaagata ttgattctct 180
 ccttttttct ttttctgtag ttatgttgca ccagaatatg catgcactgg aatgctgact 240
 gagaagagtg atatttatag ctttgggata cttatcatgg agataatcac cggaagaagt 300
 cctgttgatt atagtagacc gcaaggagag gtttagaggcc ctcaccaata aaagaccata 360
 gttaacattt a 371

<210> 24432
 <211> 375
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24432

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 gtactccaag catcccatat tacttgatgt gggattacgg ccccccata atacccaagt 120
 ccttcattct aaagtcatcc tatctacaaa gaggtatgaa tatacttaca aggtctacat 180
 ctgagttcaa tgctatagac agtgcagaaa accatggcgg caagtcaact ggagcaatag 240
 aaaacatcga gacaagtaag accatccata tgtcatcaat tccttatata tctgaaaatg 300
 agttgttttt aatctttact ggtttgtaaa aaataacaga attcanaacc atataactaa 360
 ttgaatcacc aaaac 375

<210> 24433
 <211> 378
 <212> DNA
 <213> Glycine max

<400> 24433

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 ccaacatagt ttaaggtatt aagatactat ggaatttgca ctggaagaca tggatcaact 120
 ttgctactga aaccacattt acacttgaca tataaattat catcttttgt gctgtttttg 180
 gaaagaagaa aagaaaaggg ccatcaagta agagcagaaa tatgcataca taattaaaaa 240
 aaaaatacag ttcccaaaag ataccagtta acaactttgc tcaaacttgg aaaaatagaa 300
 ggcataaatg tgagactcgt cagcaattat taataatcta taatatatca tctgaaatga 360
 ttttatctgc actatctc 378

<210> 24434
 <211> 369
 <212> DNA
 <213> Glycine max

<400> 24434

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 tgttacacca acaaagtta gaagagaaga aaattatgta ggtccttaaa ccttaaaaaat 180
 caagaaataa aaaaatacca cgccaaccaa gagaatataa atcatatttg cattgtacca 240
 agcttgaaaa tgttcaatca tgtttataga catcaccata tgtagaattt tattatttgt 300
 aattgcaagt ctgggaccat ctacaaataa actaattatc cataatttct aattaaatta 360
 atgaaatgt 369

<210> 24435
 <211> 370
 <212> DNA
 <213> Glycine max

<400> 24435
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 actgtctttg atatttggta gttgatattg tgttgtggga ggtaattccg actggattaa 180
 ctcaccatcc ttcacttgcc aatttgttat gacatttgtt gttggattac ctatgatgtc 240
 ttgtttccaa gggtagtcta taccctttct gatggcataa gcatgaaacc aatctaagaa 300
 aaggacatta attctgactc tttcgacaaa ttcgtagaac ttgtcttggga tttgttctct 360
 gtttgtaccc 370

<210> 24436
 <211> 550
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 24436

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 ttaccttgct antcgcgacc natgaaaaca gaactttagg acacaccttt caactgaagt 180
 atgtcctaag tctatttcaa ggacgaaact tcgccgagtg tcgcgcaatg aagagacctt 240
 ttattcaaac ctttcacaat tagtgattag gctacacat aaattatgga acttacaaaa 300

actaaatcct taattgaagg cgtgcgcgac aatcataccg aattactaaa caagattacg 360
 agttggctta aagacattcc ttatactcct caacctacag aaaatacttg caaaatggta 420
 accggaagaa cccacaaatt tatcaatggt attagtgaag atagtgaacca aaacctatat 480
 aacacaactg agatatgacc agcgtcataa gacaatataa tccattaaac tccaaacact 540
 ggaaaacccg 550

<210> 24437
 <211> 368
 <212> DNA
 <213> Glycine max

<400> 24437

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 acctctacct tggaaggatc tactgctatc cctcccctag atataacatg ccctatgaag 180
 ctcaccttct ctagccaaaa ctcatactcg tacaacttag catgtagtct gttgtgcttg 240
 agggtttgca acacaaccct cagacgctcc tcatgttccct cccttgcttt ggaatacacc 300
 aagatatcat ctatgaagac cactacaaaa ctatctagat agggatgaaa gatcctattc 360
 atgtagtc 368

<210> 24438
 <211> 377
 <212> DNA
 <213> Glycine max

<400> 24438

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 tataaaatta accttatgtc atcattaatt catcttataaa ttttggtttt tttaccatta 180
 atattataag ggatataagt gaaaaaaaca taattagtga tacactaaaa agctaaaata 240
 acaattatta tgggacaatt ttttttctct tatatgacaa ttataatggg acaaaggag 300
 tattaatttt cttgggttat ggtaaaaaac ctacgatgac catcatggct atgtttggct 360
 aaactagctc aaaggtg 377

<210> 24439
 <211> 366
 <212> DNA
 <213> Glycine max

<400> 24439

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tttgtgacga catggcgcat acatcttaca aacacatgta gagccttggt ggccttctc 120
ccctcaacgg gaatctcttc ttccgcaaac gcgatataga tattggtggg catatgatta 180
acaatgcctt taaaaccctc aactgagatg tacggtgcta ctggggcttc gttgaagact 240
attatcatca gtgcacgagg aggcctgaag tttatgatca gttcgagcag agagactctt 300
gacggagggtt tattcaattg ctgagctact ttaaactcgc tttgttggtat gagacgatag 360
aactca 366
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<210> 24440
 <211> 536
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24440

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attacctcta ctangnacgc gacacnnaaa aaataactcaa gcggttgtga caagacacaa 180
aaactcaaat catattttat atgctgatgg gcccatatat atggggggccc gacttacaaa 240
aaaaagagat gggctataga gaaccccatc gcaaacgctc tctaaccaat ataggccaca 300
cacttgccaa ccaatggaga aaacttctac gaggttcaat ttgcataatc tactctacag 360
gcgagaaatc tttctgtgta tcttataaacc ttagttgcaa tcaagagact ggctatctct 420
tggattggga gaaatgtaac cacagactgg ttgtctcttg gagaaacttg aacaccaggc 480
agaggaatcc aagagcgtca caagcctgta cggacttata gagataggga aaaacg 536
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<210> 24441
 <211> 368
 <212> DNA

<213> Glycine max

<400> 24441

agctttaagc gtctttttgc taacgaagac gacgcaaaag acctaacatg gcatgcaaatt 60
ggaaggattt ctgatggaat cgtctgtcat ccggctgatt gctcccagtg gaagaagatt 120
gatggtttgt atccggattt cgggaatgag ccaagaaatc ttagacttgg actagccagt 180
gatggaatga atccatatgg aaccttaagc actcaacaca attcatggtc agttctgcta 240
gtaatttaca atttgcttcc ttggttggtc atgaaacgaa aatacatgat gttgtctatg 300
atgatatcgg gtccaagaca gccaggaaat gacattgatg tttatctaag ttcgttgatt 360
gaagacct 368

<210> 24442

<211> 352

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 24442

tggagtcatt tgttgtgttt tgttttagtgg gatggagctg gacaggagcg attcatgact 60
ataacaagca gttattatag aggagaggat gccgaagata ccagtagatc atcagagaaa 120
aattcaattg aagaagacat tgaaacttaa attgctgaag tgcaaacgta agtttattat 180
gcatataatt tcagtaccat ttttgttata tgattttggt tcttgggtat ggcagatttt 240
ctagcaaaaa atggggaaga agagaaaaca cagtgaagata actcatgacg aggcacagcc 300
ncaaaaggaa caactcatga tgatgcacaa cccacaaata aatttctttg ac 352

<210> 24443

<211> 285

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 24443

agcttatgca tggaaaatgt aattatgaaa ttgagatgcc cgaagaaaca ccatttccta 60
gttaaccatg cattaggtac catgttcaat tattttgttt ttaagtgaac cggttttatg 120
atcccaacat gggtggctcg tgggtgcctaa cacatgaaac taagaatgta gtgtgaagtt 180

tcatgcttcc ccctttttgt ttttgttttg tagaggaaaa cacaaggatg agcatacatg 240
 aaaacaaatg gtatgcaant ttgcagatca aaaagtttgt tgaac 285

<210> 24444
 <211> 437
 <212> DNA
 <213> Glycine max

<400> 24444

tgaccaatcc cgacccaacc cgggcatagt cggctcttga gtacctgtga tgtacctaaa 60
 caggcgagct cctggcagtc aacagataaa aggaacaaag accacaaagc aaggaggctt 120
 gtgggtggctg gccagctgtg aattttgtgt gatatgtgga ttatggcccc tggtaatcga 180
 ttaccaaggg taggtaatcg attaccaagg gtaggtaatc gattacaagg cttaaaaagtg 240
 aagacaagag gctaagatgg tctctggtaa tgcattacca acgggtgtaa tgcattacca 300
 ggcttgaaaa cgaagtcagg aaactaatgg agcctctggt aatcgattac cagcttgtgt 360
 aatcgattac acagagggat gggtcactgg taatcgatta ccaagtaggt gtaatctgat 420
 acacagtgc tttttga 437

<210> 24445
 <211> 370
 <212> DNA
 <213> Glycine max

<400> 24445

ggcttgtatt gttgagtctc gaagacggat aatcgattac aatagtgcc taatcaatta 60
 cactgttgtt tgagacaatg actgacttat tcaagagtct ctaccttaat cgattaccaa 120
 gtggattaat cgattacttc tttctcgttt agttgatcag aggtgaacaa gaatacttta 180
 atcgattact gtggcgtccc taaattaatg actggtttaa tagaaataat ttaaataaca 240
 aaaaccatgg caaatTTTTT tttcttcttt ttctttctca tttctttctc ttttcaccat 300
 aactagggct agaaggaaga tcttcactat aaagtcctga atggccaatt cacaactcta 360
 ttcggagtca 370

<210> 24446
 <211> 310
 <212> DNA

<213> Glycine max

<400> 24446

gcctacgttc tgttgctcag cagccactt tacatgatgc actctctgtg ctaaactcca 60
tgtacaaagc ctgaaccaca cagggacggc cctggccttg tgtccacgaa tgctctacaa 120
caagagaccc gcggtctctt aatcgcttct tagagcttac aaggatagac gaagagatct 180
ctctttaacg agatagatcg tacagtgaag atcaatccaa atgccttatc gaatatgcaa 240
gtgagggacc aatgaatctt tctgagagga taagacgagt cagtgcataa aaactctgat 300
tcttttgaga 310

<210> 24447

<211> 218

<212> DNA

<213> Glycine max

<400> 24447

cgctgcatgc acccgtggga tcgcaatctc atacactgaa aacgatcagc atacctagaa 60
cttgcgaaaa atatgcgcaa cggacacata ctacctatgt cggactggag tggctatcaa 120
aggcctatat gtatgagacg agagacacga atgtgctcta agttcttcgg aacacatagg 180
acatagactc ttaaatagca ttatggcaat atcctctg 218

<210> 24448

<211> 436

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 24448

agtaggatta tggcgtaccc atcacatgcg gtgctatgtg gtggatcatgc gatggtgcac 60
aacacgttct ccacatacac aatgcccga taaaccaccc atcccctgat gccacctcc 120
aactgagctc acgtacttac acgtagccca tatgatcgtt tctctcaaca ccgggacccc 180
atcaatcctc ccaagcttcc acaacatcca agcgaaacaa cattcaaaca gctcaagcta 240
tcgcggccaa gcaaaacaga gcatatgcag aaaactctgc caaaacacca accaaatcac 300
aacttttctc acttaaagac cccaataaca attccttcga tccaattcgt taaccgttgg 360
atcgactcca aaattntact ggaagtctat agtacatgaa cctacattgt gaccgctggg 420

atctactatc aaacat

436

<210> 24449
<211> 371
<212> DNA
<213> Glycine max

<400> 24449

agcttatggt cttatttcct tacaaacggt ctcttgacac agacatttaa ccgaaaaaca 60
tgcgcccatc tacaatcaag gcagcttcgt tacctagatt atttacacgt acctccaagg 120
tgtatttggt acttacatca cacacatctc cttggctaaa ctacatatca tgcatactca 180
agcattttgg ggcacaaaaa attgcacatg tgcacatctt ggcattttcta atacctacat 240
acgcaaactt catgatgaat cttgactatc tacacaataa ggtgctacat atttaagcat 300
atctttcttt gctgactaaa attgcattca aattttaaaag gtatattttt ttgcaatatg 360
ttttcttcac g 371

<210> 24450
<211> 431
<212> DNA
<213> Glycine max

<400> 24450

tgctctaaat ttacattgat gtttgtatct atgggatgag gttatatgcc atttttgctt 60
taagagtagt gtccactgg taaaattaac ttccaaatg tttgccttct caggaatggc 120
cccaggaag cttgcctcaa agagggtccag gaaggacaag gcggccgaag gaactagtct 180
cgctccggag tacgacagtc accgctttag gagcgctgta caccagcagc gcttcgaagc 240
catcaaggga tggctgtttc tccgggagcg acgcgtccag ctcatggacg acgagtatac 300
tgattttcaa gaagaaatat ggcgccggcg gtgggcacca ctgggttactc ctatggccaa 360
gtttgatccg gaaatagtcc ctgaggttta tgccaatgct tggccaacag aggagggcgt 420
gcatgacatg a 431

<210> 24451
<211> 283
<212> DNA
<213> Glycine max

<400> 24451
aaattacctg aaacatcagc taagacatca tcaactttttg gcctgagctt tcgatgggtgt 60
cgggacgcaa agataacggc gatacactca ttggc aaatg caccacgact tgcatagcc 120
acattacctt tcattttgtga ggggagggct aactctgccg gatgatgtac actgtcaatg 180
gctagctaga tgagaactcg tttcctcag aggattacta gctcctattc ttttggccac 240
ataagacatt ctgtagtacc taccaaata gagctactcc ctc 283

<210> 24452
<211> 436
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24452

taagccaaaa ctaatagtgc ctgccaaagta tctgagtaat cctttntatt gctgccaat 60
gctgttcagt gggatctgac ataaattgac agaccttggt ggccaagaaa ctaatttcag 120
ttctgggtgat gggtgcatac tgcaaagcac ccacaacaga tctgtataga gtgggatcag 180
aaaaagactc ataccctgat ttggttaact tgcagccacc aaccattgga gaggagatgg 240
aattagcttc atccatcttg gttttagtca acagatctct tgtatacttg gactgagtta 300
gaataagagc acattaggct gaggtctgac ttcaataccc agaaaataat ccagattacc 360
taaatecttt atagaaaact cagaattaag tntagtaacc aggatttaat gaaattagga 420
ttgttgctg tgacag 436

<210> 24453
<211> 439
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24453

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acgcagctgg accttctgtt tggaatggct taagatatgc cttgcgctgg caacatcggt 120
ttctaccttt atgtgtgaca agatgaacgt acttatttta tgactcttga tgattggact 180
cttgactga atccataaaa tactcgcatc cctagaacta gaacatgagg ggtcttcaga 240

actacaaaaa tctgtcgatc aatattactg acgaccattt ttctaacgga tttgtgtcca 180
 ttggaaatct atcggaaca tccaattatc gactgatttt tagtggtacc gacagattat 240
 tgccgtcgca aaaatgcttt tttctgaccg ttacgctcat gcattttaat gaatttttgg 300
 gtccaaaaag cccttatatt catcatgaaa acactttgat tctctaattt ccacaaattc 360
 aataacatca agaacacc 378

<210> 24459
 <211> 283
 <212> DNA
 <213> Glycine max

<400> 24459
 gacttcgagc tcggtgcccg tggatactct accggcgagc tgcgcgcctt ctagtttgca 60
 cttactccac atttcatgca taagatactg gtgcatattc taatttgacg atcactatct 120
 ccactatcca tctcgtacg accacccatc tatcacttgt gcatttgata ctcatctgtc 180
 tatactacca agaaaaccga tgtaactagt acttattgaa tatgtttgcc acatatacga 240
 acgaacacgc tctgcgtgca ttttttagtga tacgatgtca tgt 283

<210> 24460
 <211> 410
 <212> DNA
 <213> Glycine max

<400> 24460
 tccatggatc caattataag caagtttggt gttattctga acaaattgaa ccagagaaat 60
 atctgcatgg ctggtagaac cactcttatt aatgttggtt taacaacatt acctctgttt 120
 tatatgtctt ttttcaaggt cccctcagct ttcattaata ggatctctgc catccaaaag 180
 caattccttt gtgagctcta atattgagac tagtggtggac agtaagcata aaattgttga 240
 ctgtgtatag agagctaagc tcaagactgg tgtttagcttt tttccttgta cgacgtatga 300
 gtcctcata gcggaataac actcgatttc tagaattggt tcttgggttc ctatcaaagc 360
 ttaaattgaa cagtttataa tatttactta tgtacgagtt atgtgctctc 410

<210> 24461
 <211> 207
 <212> DNA

<213> Glycine max

<400> 24461

gaccaaccct gcattaatcg tatgggttgct ccttggcccc ttccaattat taaacactga 60
gttgacataa gtggacaggt catttgcgac catgcaccta ttggaccatt cataacgata 120
ttaaccttaa cggaagaca gctacacctt caataattgc cattcttgcg gccgcaataa 180
cctatgctg agtagcaacc acttgag 207

<210> 24462

<211> 367

<212> DNA

<213> Glycine max

<400> 24462

gtggcgttat tcttaggtgg aagatcaagc ttgtattagt gccacaaacc gcgactgttt 60
tcacagtgc caagacctta caacaaggat ggagcacgct tcttcataga tggcagcaag 120
tggctccaca tattgatgag aatctcttca ttagagttat cattcaacca ggggaatggca 180
ctgttctctgg caagagaaca gtaacaactt cttacaatgc tctctttctt ggtggtgcta 240
atacgcttct ccaagtgatg aaccatgggt ttcttgagtt aagggttgaca agaaaggatt 300
gagtggagac tactgggatc gaatctgtgc tatatattgc tggctaccct gatggaacag 360
gcccaga 367

<210> 24463

<211> 361

<212> DNA

<213> Glycine max

<400> 24463

agcttgcttc tatagccaaa cgttcatatt cgattgaaga ataaagaaga gtcaaatac 60
atctaaacag cgttttgttg tttcatattg ctgaaattga taagaaagac aaagggtgca 120
gatctcaatg ggaaatgaat caatcagcca taagacaaca atataggaca actatcttat 180
tttaattaat ttatttcata aatttgctta tttttacact tctagcgtct attcaagcat 240
aagacagtaa attggccata ataggcatgg ctctaataa taaaaataa aacattgaaa 300
ttttgacagt aaaattgtca tatgacagta aattgcccata aataggaaag gcactaatat 360

<210> 24464
 <211> 430
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24464

tagtgtagtt cttgaaagag tgcaccacgc acttgctcct caatgggtgtg cgcgctctgc 60
 acatcgtagt ggtcggagag gaacagttct ttgcacccat ggaactgtct ccgaccacca 120
 atcgactctt ccggcctgta gtaccacctc acacgcacct tcacgttggt cctattatcc 180
 tgctcgatca tctccacgcy cgccacgtaa gggggcttcg acgtgtccga gggccgcac 240
 agaacacagt ctccagctgc aaaacccaaa cattttctta aacgatagct ctcgctcttc 300
 aaaacgacat cagcatcatc atcatcatcg tgggcagcca caaaaacagg gaaagggacc 360
 gtcttttaac gagacaacgc anaagggttg gcgtgtgtta cctcggacga tcttggttgg 420
 tcctcttatg 430

<210> 24465
 <211> 487
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24465

atcgcccttg gtcnatgata cttgcntncc aaacnccctg gncnnaact gggcgnatac 60
 tatggtggaa gatttaactt ggnatcgtgc ccgaaaccca gacagttttc gcagtgatca 120
 agaccccaca acaaggatgg agcaacgcta cttcatctat ggcagccaga ggctccacat 180
 atcgacgaga atctctccat tagagttatc actccaccag ggaatgcgca ctcgctcctg 240
 gcctagagat cagaagtcga cgttcttacc aaagctctcc ttcttggtag ggctcaatac 300
 gctactccaa gtgattaccc catgggtctgc ctgaattaag tatgacaata cagcattgtc 360
 tgtgaaccac ttggatctaa tttgtgctgt ataatgctga gcacccatgg ggaaccngcc 420
 cgaaattttt ctcccatgga atatcacatc caaggcttat ttcaatgcca aacagatttt 480
 gccagcc 487

<210> 24466
 <211> 374
 <212> DNA
 <213> Glycine max

 <400> 24466

 agcttgectc ccagctcgcc caggcgagcc aggttgcttc ctccagaagc aaccgccttc 60
 tggaggaaga atctagaagg cccaagtggg tctggttgct atttgacact tttttttttt 120
 actaaataca ccccttttgc ttttttgggtg attctttttc tataacgtta caaagcttta 180
 cgaatttcgt aacgataactt gttatctttc cgtaagggtta cagaacctta cgaaacatgt 240
 aattactccc ttttttagct gtcgaaatgt tacggaaact cacgaattgc gtaacaatac 300
 ttctttttga tttccagcat gttacggaat ttcacagatt gcgtaacaat gttttctttt 360
 gattttcggc atgt 374

<210> 24467
 <211> 402
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 24467

 tggcctacgt cagttgaaca aaccctcagc tgccatttac atataacaaa cttagccgat 60
 gtcaacataa aaataacaat gagtaacgtt gaccaaaaac ctagectatt tgaacaaaaa 120
 aatatccata aaatggcttt ggcaaaaacc ctagcttgat gtcgaccaa aaacctagca 180
 tatgtcagcc aaaaaaaggc cttggcatcg accaaaaata gtcttgacca ttgtcaacca 240
 aaaaacatca tcaactgata agttctatcc tattttattg tgtccttttt tactcttaat 300
 gtctttttgtg gccagtccaa ccatttgaat gatgtgagaa tagactgtga tgggaaagtc 360
 atgatnttat ttggaattga aattggatgg ttgatgtgtt at 402

<210> 24468
 <211> 369
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 24468

agcttccggt tccgagagca tttcttattt aagcaattca gtcttttctt ttgtgtagct 60
taggaaaaac gtcatttctt cttctttatt tcttccaaag acatttctaa agtttcaagc 120
actttctcca tcaccacaaa ccaccattag ccaccacaaa ccatcattgt tctccattga 180
aaacccacac cgagaggaac cttcaaccg aagcggaatc ttccaactcg gcttgcggtt 240
ttggcagaga acgaaaatcc taatctgaac tttcgtcttg tttcgaggta accatggatc 300
tatgcttatt tcttgtagt tacatcttgt ctttgcattt tttctgactn tggaaccacc 360
attgcatgt 369

<210> 24469
<211> 436
<212> DNA
<213> Glycine max

<400> 24469
tgctcgggtgta cctaaagatg ctattaggct cagcctgttt ttattttctc tatctgggga 60
ggccaagaga tggctgcatt cattcaaggg caatagttta aagacctgag atgaggttgt 120
tgagaacttt ctaacaaaat atttcccaga gtctaaaact gcaaaggga aacttgcaat 180
ttcttcattc cataagtttc cccatgaatc tttgagtga gcatataaa gctatagaaa 240
actctaactc atgggttttc agagcctatt cagctgaaca tcttcattga tgggttacgg 300
ctgtagtcaa agcagttact cgacgcttct ataggaggaa aaattaagtt gaagacacct 360
gaagaagcca tggacttaat tgaaaatatg gctgtcagt accatgcaat tctgcatgat 420
atagttcata ttcta 436

<210> 24470
<211> 368
<212> DNA
<213> Glycine max

<400> 24470
agcttgctgt tattgattac atagtttttt gagacaatga ttgattcatt caggagtctt 60
ttctataatc gattagcatg tgctataatc gattacttct cttttaaaaa gtgtttcaga 120
agtgatcaag aacactttaa ttgattacat tgaggatcta atcaattaca ttgttcttga 180
aagttttcca gtttttatga agaacacttt aattgattga aatgataata taatcgatta 240

cttctttaaa ataattgatt acattgtata ttcaatcgat tacatgtggt tataactatt 300
 ttctctataa atagacacat tgtgtgctca cttctaacia cttcagtata cataagttta 360
 ttatagtg 368

<210> 24471
 <211> 417
 <212> DNA
 <213> Glycine max
 <400> 24471

ctttgcaagc tggaaatcatt tatcctatct ccgatgttaa tgggtgagtc ccgtccaggt 60
 agtcccgaag aagaccggcc tcacagtgat aaaaaatgag aaggaagagt tgattcctac 120
 tcgggtgcag aacagttgga gagtctgcat tgactacagg aggctgaacc aggttaccaa 180
 aaaggaccat tttccctgc cattcattga tcagatgctt gaacgcctgg caggtaaate 240
 tcactactgt ttccttgatg gtttttctgg ttatatgcaa attactattg ctctgagga 300
 tcaggaaaag accacattca cctgccccct tggcactttt gcttatagga ggatgccttt 360
 cggcctgtgc aatgccctg gtacctcca gcggtgcatg attagtattt tcagtga 417

<210> 24472
 <211> 362
 <212> DNA
 <213> Glycine max
 <400> 24472

agcttattca tgggattttt gatgaacgca ctcaacgagc aggagatgga tcacgacagg 60
 ccaatcatat ctatggatca ggctctggaa taagcgtgct ggccagaatc tcaagtcctt 120
 ctggagagag cccataaccag cgctcctccc ggacctgtac tactaacact gagccagcat 180
 catgaagagc cactgcctac tggagtagat gcacactgct tcttcggaac tcgagacatt 240
 gtctctaca gcactacctg tgatagacat cctgatgac ttaactgatg aagccggtgc 300
 tccttttgat acaccatctt gcaacataga cgatgggtgt gactattttg actagataga 360
 ct 362

<210> 24473
 <211> 435
 <212> DNA

<213> Glycine max
 <400> 24473

tgtcacttga acacatcaat agccttgac catttttcat ctcttctcac cattttctct 60
 ccaaaaacca aaacttggac cttcattctt ctccatttgt gcgagacact caaggaggga 120
 gaggtcacca ttttcatctt cttccaagct ccatctgtga gacttcttct ctcaaagcct 180
 tggtagaag cccttaaacc tctattttct tcttatttat ttttcatttt tgtgcaaaat 240
 tcttacttga gggtccaaaa tttctttttc atcctttcga agcttaagag ttcaagatct 300
 aagttttttt tccttgacca tttcgtggaa gcttcactta aggtaagggg agtctttcca 360
 cttcttaaac cctaaccctg ttgtctttgg aagctagggt tcattacatg ttgttttgat 420
 gtttaaaatt tcatg 435

<210> 24474
 <211> 352
 <212> DNA
 <213> Glycine max
 <400> 24474

atcttatgct gcaaacattt ataatagaca tctcagcag caaaacaaac aatagtagaa 60
 taattatgac ctttcaagca atagatacaa tccaagttgg aggaatcatc caaatctgag 120
 atggacaagt cctccacaac aacaagagcc tgtccctcct tttcagaatg ctactagtcc 180
 aaccaagcca tatgttcctc ctccaatata gcaacagcaa caacaacagt cacaacaaag 240
 acaacaagca actgaggctc ctctcaacc ttccttacia gagttagtga ggaaaacgac 300
 aatccagaat atgcaatttc agcaagagac aagagcctcc attcagagtc tg 352

<210> 24475
 <211> 427
 <212> DNA
 <213> Glycine max
 <400> 24475

tttggagtag aaacatggga ccaactcatt ttattttatt ttaagaaatc atatctagtc 60
 aaggtctgag agaccataca agtttcctaa cgatttctaa ttatgtgggc cattaagtct 120
 atcatatgct gacaatagcc gagaagccca tgaatctctt cgggggcgga gtaggtgtct 180

<211> 358
 <212> DNA
 <213> Glycine max

<400> 24478

agtttttaat ctcgatttaa aattacatca gaatgataat tgtacatgaa ttatcaatat 60
 gaccattggt aataactcaa ttttgatagc tatagattta cacattgctt ttcagcagca 120
 agtctgctct ttttggattg gctgtcatca actaattagc tttggtagcg gtcagatctg 180
 atgcattctt catttgatag atcatagtgc caagacaagg ggcaatgagc tggaaataca 240
 tctataccta tgaacaaaag tgaacccgga catgaaaggc agagccagac tacatgtgaa 300
 gccaggcaa taggatcttg atcttctatg cctatctctt tgttggttaa acttcatt 358

<210> 24479
 <211> 425
 <212> DNA
 <213> Glycine max

<400> 24479

taacatagac tttcttattg gttagattgt tgacatattc cattgctact gttaagttgc 60
 tgggttttctg tttctacatt atatttttaa taataattat aaatggtgcc tcttttcact 120
 tttgtttctt gttttcacct agtactaaaa tgttggtttc accatttcta gtacaaattt 180
 tcaaacacca gaaacaaact gaaaccaaag ttgtggtttg taattagtta aaagaaaaga 240
 tagaatagag gtagaaaaca tttccttaaa ccaaacaggc ccataagttg tcggtctttg 300
 gacataattg gtggtacttc ccatctctaa acttcataag cctggatgtg cattggtcaa 360
 ctatagttaa atgatgaaag aaaaaacaaa ttctgagctt gtgattgctt gcacctttgt 420
 gaaca 425

<210> 24480
 <211> 330
 <212> DNA
 <213> Glycine max

<400> 24480

agttgtgatt ttatacttgc ccgtcattta tcagtgtttg cgctcggagg ccccgctcta 60
 caaatgctc tggagctcta ctggacgact atttaaccaa agctggtatg ggaatgttgc 120

gagaaccctt caacagctta ctgatacgat ctgagaagtg tgcattggcac gtgggcatat 180
 cgacgtgctt atgtataaca gcccatcgag catgtttcct tagaaactcg atcactccat 240
 gtggataagg gtggacacag tgcactaaat ccttctcaag tgtgatcaac tatgtgcttg 300
 ctaggagtgc acgctgcgta ctatttttta 330

<210> 24481
 <211> 406
 <212> DNA
 <213> Glycine max

<400> 24481

tgcatacaag attcttcttg tctgacactt ttaatgtttg tggccgggtc atataaatgc 60
 cttctatac atccctatgc gagaatgcag ttgtaacagc taactgctcc acgtgaagat 120
 tgtctaccgc tattatgctt agaatagccc tgatgggtgt catctttaca actggagaga 180
 agatttctgc gatgtcaatt acttgtttct ggtgagacct tttgaccaca agattcgact 240
 tgtgtcttct tgtaccgtca gatgggtact tttagcctata taccaccta gttgggtcatg 300
 ccttctttcc ttctggctat ttatttaaag accacgtttt attgttgatg acggatggga 360
 tgtcatctgt catcgctagc ttccactcga gaatgacatt cccttg 406

<210> 24482
 <211> 350
 <212> DNA
 <213> Glycine max

<400> 24482

agcttttctt cgtgggttgg cgggttctgt ctctagaat ggcattgatca ttggctgaca 60
 tgttctcaat tagctctgtt gcttctttcg ggtcttcag ttttatcttt cccctacag 120
 aagcatctaa cagtgtcttg gtttgtggtc tcagcctatc tataaacata ttcaattgga 180
 ttggctcgga aaacccatga gtgggagttt ttcttaacaa gcctctgaat ctctccaatg 240
 cttcactcag agattcatta cgaaactgat gaaatgaaga gattgcagct ttcccttcta 300
 cagtcttgga ctctgggaag tatttcttta ggaacttttc aacaacttct 350

<210> 24483
 <211> 433
 <212> DNA

<213> Glycine max

<400> 24483

cgaacctccg ttggagttgt cggttgttgt tcaactcata accgactcca ccttggtcgg 60
atccaccgca accccgtctt tagaaatcac gtgccctaag aactgcactt tctccaacca 120
aaagtcacat ttcgacagtt tggcgaacaa ctccctatcc ctcagaatat gcaacacaat 180
cctcaagtgc ttctcatgct cctccttatt ccttgaatac actaggatat catcaataaa 240
cacaaccaca aatgggtcca aataatcatg gaatatacgg ttcatatagt ccatgaaaat 300
agccggagca ttagtcactc caaatggcat gactaaatac tcgtagtgcc cataccgagt 360
ccgaaacgca gtctttggga tatcttcctt cttaactcgg atatgatgat acccagatcg 420
cagatcgatt gtg 433

<210> 24484

<211> 346

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 24484

atcttcttat ccaaggctca tcttggtggt gaagctcttt ttcccatggc ttattcctta 60
atggatggcg cctcctctca cctcttctcc ttgacctcc gctgcatctc catggagaaa 120
aatcaccatt gaaggacctc attgaagctc aaagatccag cctccataga agctccacaa 180
gcaagcttcc atcaagtggg aatcagagca caagagcttc aagtaggtgc tccttaaacc 240
tccattaatt ctttttcttt accttctctt ccattggtgn ttcttcattt ttctccatgt 300
atctctcac atgtcttggt atacatgttg ttaacatgat tcttta 346

<210> 24485

<211> 418

<212> DNA

<213> Glycine max

<400> 24485

tgccgactat accttcgacc aaacacggcc gtgtttctgt ctccggcccg atttaaagcg 60
ggttgcggta ccggctccgc ttccctaacc gtactggagg cggttgccgt ggctttatcc 120
tctatggttt tctggagttt taacatgacc tccgagatgg aagccatttg atcttttaag 180

gccgatagat cggccttcat ctgttcctgc acaccctctt cattatccat tttcctggat 240
 cgagtgttat aggggtgcct tgggtgttttc ttagttatga tgaaattcct aaagaaataa 300
 acaacggtga gtatgccacc aaaacatgag tatgcaaag gatgatcgga gcacttggat 360
 ccaccccaag ggtttttagat aacgtgatga gtccagaact tctcatttat aaaaagac 418

<210> 24486
 <211> 361
 <212> DNA
 <213> Glycine max

<400> 24486
 agcttgggct aagcgagtca gtctcgctaa gcccaaggca atttagttgt tctgaaattt 60
 gttcatgcgc taagcgagtc aactcgcta agcgcaattt cctctctgtt tttgattgct 120
 cgctaagcca attaagtccc aatgggtcaag ttaggctaag cgcctactgg cactaagctt 180
 gtttagtggtg tcgcgctaag cgagcctgtc tcgctaagcg caattagctc tctgttggag 240
 aataaggctt agcgagccat gtcgcttag ccattgtgtt gtgtagcta ggggtgtctcg 300
 cttagccaga gtctttattt tttagtagtt gtgctaagcg cgccttgctg gctaagcgtg 360
 t 361

<210> 24487
 <211> 422
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24487

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 acttcagcga ttcgtcgtaa atccccagat tccactccgc ttctctctta aagatgatcg 120
 tcacgctggc attgagaatc cagcttatga aacttgggag caacaggatc aagtgtcctt 180
 cacatggctt caatcgactc tctctacgtt gattttatca cgagttctag gatgcaccca 240
 ctctatgag gtttgggaat gcattcacga ttatttcac aagcaaaca tagccacagc 300
 tagtcaactt cgcactcaac tntgtgctat gacacttgca ggcaactcaa tacgtgaatt 360
 tctgtcacag attcgagcaa tttctgattc tctagcttct gttggaagcc ggattatgct 420

<210> 24488
 <211> 345
 <212> DNA
 <213> Glycine max

<400> 24488

agctttgact tgagtcacatca agagattata aatatgtgac catggcatga atttaattaa 60
 taatttatct ttcaatcttt tttcatcatc tctcaacatc tttgaactct ttctacagaa 120
 ttttctgatt catttctctt catctttctt aaagtttttg ttcaataactt tttctttgaa 180
 gaaaagttct ttgatcaaaa acttggtgta ttcattctttt tcattctctt ctccctttgc 240
 caaaagaaca gaaggactaa cgcctaaat tcttttgtgt ctctcttctc ctttttccaa 300
 aagaataaaa ggactaacca cctgaattct tttgtgtctc tcttc 345

<210> 24489
 <211> 315
 <212> DNA
 <213> Glycine max

<400> 24489

atttaaagcg ggttgcggtta cgggtccgc ttcctaacc gtactggaag cggttgccgt 60
 ggctgtatgc tctatcgat tctggagat taacatgacc tcccaaatgg aagccatttg 120
 atcttttaaa gccgatagat cggccttcat ctgttctgc acaccctctt cattatccat 180
 tttctggat cgagtggat aagggtgcc tggggtttct ttagatatga tgaaatttct 240
 aaagaaataa acaacggtga gtatgccacc acaacatgac tattcaaag gatgaatcgg 300
 gcacttgat ccacc 315

<210> 24490
 <211> 375
 <212> DNA
 <213> Glycine max

<400> 24490

ggttgtctat ttggtgatct tgagcttctc agttcttggg agaagtttaa ttgactcttc 60
 atgttttagat tttaaaaacc aacgtttaga aacactggta atcaattaca aatattgtgt 120

THE

<400> 24491

<210>	24492
<211>	370
<212>	DNA
<213>	Glycine max

<400> 24492

10246

gtttctcttc

370

<210> 24493
<211> 423
<212> DNA
<213> Glycine max

<400> 24493

tgagatgagg aagtgtagaa ggggtgaaact tcctgctttt attgttgacc acagagtggg 60
acctggagat atgtcgcggg ggtcaggaga ccttagggac gtcagggtggg gtgctattgc 120
ccaaaaccaa gcttgaccaa tcccaaccca acccgggcat agtcgggtcaa tgagaacctg 180
tgaggtagct aacagggcga gctcctggca gtcaacagat aaaaggaaca aagaccacaa 240
agcaaggagg cttgtgggtg ctggccagct gtgaactttg attgatatgt gggttatggc 300
ctctggtaat cgattaccaa ggaagggtaa tcgattacaa ggcttaaaaa tgaagacagg 360
aggctaagat ggtctctggt aatcgattac cacgggggtg aatcgattac caggcttgaa 420
aac 423

<210> 24494
<211> 375
<212> DNA
<213> Glycine max

<400> 24494

agctttacat cagatttttag taatgaccca ctaacctaga attaaaataa cttaatgcca 60
ttaacctagg gaattaaaaa aaaaaaaaaa aacttaatgg ctgagtgtaa ctgaaattgt 120
ggcaacacaaa agtcaccccc aacagccaac aagtcagcca ccatttggtc tcccaaaagg 180
ctgatgecta ggttgccaat tgggccctta ttacaacttg aactaaacct aactaaagca 240
cttttagttg attcacccaa aacatatttt tggtcagcca actttacaag gattggggcca 300
ttattttgac aaactaaaca ctctaaaatt gagacaaagt ggtgtcattt agtcctcctc 360
catttggggc atgat 375

<210> 24495
<211> 434
<212> DNA
<213> Glycine max

<400> 24495

tgtctcagcg tttatgcgag acagagacca acatgctagc tatcatcgcc aagaaccaag 60

aagagttagg tctagccgag gcccacgagc ataggattgc ggacgaatat gcccaagtat 120

acgcggaaaa agaggctaga ggaaggggtga tcgactcttt acaccaagag gcaaccatgt 180

ggatggatcg gtttgccttt accttgaacg ggagtcaaga acttccccga ttgttagcca 240

aggccaaagc gatggcagac acctactcca cccccgaaga gattcacggg cttctcggct 300

attgtcagca tatgatagac ttaatggccc acataattag aaatcgttag gaaaacttgt 360

atgggtctctc agaccttgac tagatatgaa cttccttttg aaataaaatg agttgggtccc 420

atgtttctac tcca 434

<210> 24496

<211> 373

<212> DNA

<213> Glycine max

<400> 24496

agctttttga ctctgattc tttggaactt gcttaactct tgattcttta tcatcatcaa 60

aatagtcttg gaagtcattg cttccacaaa tcattccagg actcaccacc atcacctgag 120

acatgtgtgc tttaaaacat aatatgatgc ataaatggaa ataggacata tggaataatc 180

gtaagtggca caggaaaaac aaacatgaca aattgaaagc atctccaggc tacaaaataa 240

aaaatataat ttttttttaa ttagatatga accccaaatc agagtgagaa tctgtttgca 300

ccaactctat catgcattc aaatatgact aactatctat gatggatgag gcctttatgg 360

tttatacaga cag 373

<210> 24497

<211> 435

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 24497

ntagctntgt ggggatagtt tttgaatatc tagattatat ttccattaag agtctagtag 60

taatataaaa ggattagtag tttgggtttg tgtatcacat tttatctatc aataataatt 120

ccagtttatc agcctgagcc atcgtctctc ttttctttct tccctaacc taaaattata 180

caaaggaagg attntccttg tgtgtttaga acttgtaaaa ggaatttaca agatagtgga 420
actctcaagc 430

<210> 24500
<211> 170
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24500

tctgtgcggt atttcacacc gcatatggtg cactctcagt acaatctgct ctgatgccgc 60
atagttaagc cagccccgac acccgccaac acccgctgac gcgaaccct tgcggnccgn 120
ttnaatataa cttnnnatca tgtatgctat cctacgtatt agccatgacg 170

<210> 24501
<211> 298
<212> DNA
<213> Glycine max

<400> 24501

gatttacata tgaccacta tctataatt gacataactt agtgcctttc acctatgtag 60
ttattgtatc atgcttaatc ttatgcgttg gctgattctg atcatggggc agccagagat 120
taccctcttc atgcaacgaa catgacacct attgggtctcc aaaaaggctt gagcctaagc 180
tgccaaaagt gcccggttatt acacacgaac taaacctagc taaagcactt gttagtgagt 240
caccagaac atatttttagg tgagccaact ttacatggat tggggcatta ttttgaca 298

<210> 24502
<211> 370
<212> DNA
<213> Glycine max

<400> 24502

acactatcta atactcgagc ttatgtaacg acgtctattg tatcttcgtg ttacattggt 60
tgctgcacaa ctagttagc ttttgctttt gcttttgctt ttgcttttcc acaggttcac 120
gattctgaca tttcttgata tatataattt tctctttgaa agttctacga tttctccgcc 180
ttggggcttc cactattctc tctctgcatg ctctgacgtt gaacgacatg ccccatcacg 240

cctttgtggt ttacgtatca aattcgaatg ttgagtcgct cttgtgacgc atttagattg 300
 actactactt ttgcttatgg gatatagcac cttcttaatg gtgcatccaa caagcataag 360
 tagtgaaaac 370

<210> 24503
 <211> 365
 <212> DNA
 <213> Glycine max
 <400> 24503

acctgcacac tagatttttaa taatgaccca ctaagctata attaacataa cttattgcca 60
 ttaacctagg gattgatatg agctcatatg ttcttcatgg ctgaatgtaa ctgaaattgt 120
 ggtcgccaaa agtcaccccc aacagccaac atgtgctoca ccatttggtc tcccaaaagg 180
 ctgatgccta tgttgccaat tgggccctta ttacaactgg aactaaacct aactaaagca 240
 ctttgagttg attcacacaa tacatatattt ggtgtagcca gctttacaag gattgggcca 300
 ttattttgac gaactaaaca ctctaaaact gagacaaagc ggtgctatct aggcgtactc 360
 cattt 365

<210> 24504
 <211> 413
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 24504

ttaacatcca gcaacaacaa tagtagagag atatattagt ttgatggtct attgaaatgg 60
 gttttgttct attgtccaaa tttccctaata cggtatacaa gtagtagaga gaaatggaag 120
 tttgaaggct tatttaaatg ggtgtaagtt gtaacattta tttaggggaga acattaggtt 180
 tatgaattat ggtcttcttc gtcattgcaat gaaacccaat cttgatacac aatagaccca 240
 aggaatgaag cctacatttc tgctatttta tgatttcttt aattttctct acaacactaa 300
 cattatctat ggtagacagc agtaaaaaac caactcatca aacaatagtt cttttcctta 360
 agcttcctta ntaccatta aaattagaaa actaaccaca gataatgttc act 413

<210> 24505
 <211> 366

<212> DNA
<213> Glycine max

<400> 24505

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ggggtagtgc taatttagaa aatcccttaa tgaatttcct ataatagcca gccaacccca 120
agaaacttcg aacttctggt ggagttgtca gttgttgcca ctccataacc gattccactt 180
tagccgggtc catcgcaacc cegtctttag aaatcacgtg cccaggaac tgcaccttct 240
ctaaccaaaa tttgtatttc gacagtttgg cgaacaattt cctatccctc aggatctgta 300
acaccatcct caagtgcctt taatgctcct ccttattcct cgagtacact aggatatcat 360
caatga 366

<210> 24506
<211> 402
<212> DNA
<213> Glycine max

<400> 24506

tagggatgga acacttactt gttggtgatt tacaatagcg caaaacggaa tcaaaaaatg 60
cgaaaaagga tgaccctagg gctgcaaact cgtcaatccc gtgggtatgg cttttgaaag 120
gggggaaaag aagattttga atgcaaaaac gtccccctt tegtattct tataatttgg 180
tgcaggggtg gctcgcccag actcgcccag ctcgaccatg cgagctaacc tgcataaag 240
ctttcttaat aagttgaggg gaacattaac catgttacct accttcacat ggattatcac 300
ttagtctacc ttgatcttac ttagggcaga atgaagtga gcttccttga ttgtaccatc 360
taacacaaac actatagctt atatatagct gtatattaca gg 402

<210> 24507
<211> 358
<212> DNA
<213> Glycine max

<400> 24507

atcttctcgc ggaaaaaatgc tatgcaggct ttgttaaccg ttggatcttc gcgaagtttg 60
atctgcaatt tcaaaagaca attttccatg atctgaccgc tcggatcttt gagaagatgt 120
ctggagtgtg ctagaagcct cttaatgaag cttctagagg aagcctctta atgaagcttc 180

tagaggaagc ctattagtga agcttctaga gataactaca tgaagctgcc tgggtaaaaa 240
tgctgcccag cctacgttaa cggttgaatc tttttgaaat ttggtttgca acttcacaag 300
acacttttcc atgatctgac cgtgctagaa gctttcgttc ccgagagcat ttcttatt 358

<210> 24508
<211> 431
<212> DNA
<213> Glycine max

<400> 24508
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tgattcagtt agtccagcag tagaatcaac tacagattta gaggaagaaa agattatgga 120
gaatgagtag tccaagagga cttcattgga gaataagatg gccagggtgga acaagagaaa 180
gagttgaaac aaattgaaga atcattactc gaagcatggt tgaataaaga cgacttactg 240
gaagtagatg cgatgagttt cttggctaata gctgggttaaa atgaaagtgt tgaggatgat 300
atatgcgttg agaaaaccaa ttgtgctaca ataagcaatg tagaagatga caaagtagta 360
gagacaacat tcgacaagcc taccatagag attgtagaac atttgagacc attctacatg 420
aaccgctcac t 431

<210> 24509
<211> 359
<212> DNA
<213> Glycine max

<400> 24509
tgtttctact tatgtggcag ggcgggcttc cttcaccttc ttgtctccaa cgcggacttt 60
gaccattggt cttccttccc gcgatgctcc ttttcatgtc tgcttgagtg ggcttatagc 120
ctaaaccata cttccacga ttaccttggg tatttatcag tctagttatg ccgccgttgt 180
tttttcttaa acccatcccg ggctcataac cgttccccaa cataactcgg gccatcatta 240
ccgctgcacg ggacagacta ggctgcccaa agagggagtc cacggaggaa atgctgacca 300
cctcaaaaaga ctggaaagca gtttctaacg attcttctgc ggcttcaca taaggcatg 359

<210> 24510
<211> 394

<212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 24510

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 cgacagtcac cgcttttagga gcgctgtaca ccaccagcac ttcaaggcca tcaagggatg 120
 gtcgtttctc cgggagcgac gcgtccagct catggacgac gagtatactg attgccaaga 180
 agaaataggg cgctgcgga ggacatcact ggttactccc atggccaagt tcgatccaga 240
 aatagtcctt gaatnttatg ccaatgctga ggccaacaga tgagggctcg cgtgacatga 300
 gatcctgggt aaagagtcag tggattccgt ctgatgccga cactatcggc cagcttatgc 360
 gatattcgta cgcgttgga gaagaccact aatg 394

<210> 24511
 <211> 376
 <212> DNA
 <213> Glycine max

 <400> 24511

 agcttggttt ggcaaattt acagaaaagt tcaataagat aacaaatttg acatatgagt 60
 ataaacaatt caaaaatagg tgagattctt taataaaaag gaatgacaat tatgggctaa 120
 ttaagcttat tgggaaggac actagtcttg gctgagacgg agacaagaaa accattgctc 180
 ctagtgatga atgggtggga gccaaaattc aagtgtgtac tattcaacta aaataaagtt 240
 agttctagtt gcatgtcatt gaactttctt cagtaggaag tatgttaatc aaacactcaa 300
 tggaaattgc atgtaattgg agagtaatgg gtttctcctt aagagtctct ttgtcaagtc 360
 caagtgtgac ttggga 376

<210> 24512
 <211> 355
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 24512

 tacatgncc atgctgagac tgattgagtt attccagcac tagaatcaac tactgattta 60
 gaggatgaaa agattatgga gaatgagtag tccaagagga cttcattgga gaataagatg 120

gccaggtggg acacgataaa tagttgaaac aaattgaaga atcattactc gaagcatggg 180
 tgaataaaga cgacttactg gaagcagatg cgaagagctt cttgggcta gctgggttaa 240
 atgaaagtgt tgacgatgat atattgcgtt gagaaaaccc attgtgctaa cctaacgcct 300
 gtagaagatt gacaagtagt atagacaaca ttcgactagc ctacaataga cattg 355

<210> 24513
 <211> 376
 <212> DNA
 <213> Glycine max

<400> 24513

agcttatgcc cctctctttc tcttttgctc atacgagcta tttacaacat tacttgcttt 60
 agtctcctta cacatattct tatttgagcg tcagagttct ttgttttaca agtccccttc 120
 ctgttaaagg caccacaac gccgacgtgt gaagttcaga accacactta accacgtcaa 180
 ccctgatgtg ccaaggttcc agattttggt aagaacatcc ccaaaacatt cattcttgct 240
 ccaacattgc atgtgaaata gttaccaact aaccaacat tatgacaatg acaaaggcat 300
 gcaccacaag cataagcatg tcttccaat gaagaagccc tatgttgctc cacaagtatc 360
 ttataccagg agcact 376

<210> 24514
 <211> 378
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24514

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 cccccacttg aaatttgaaa agaagatttt cgaggatttc ataaaattgt gcataaacia 120
 aggtgtcata caacttgaac ctttgcatag tgagtaagat tcagatttta ttagagtgc 180
 tcgaagtctt gaactctatc tccgacatca aaccacacac aaccttttca taggtgtatt 240
 ctataaagcc cgtgcgttaa agaccatgca cgtctatccc ggtatagtga acgctctaga 300
 natntttgcc caaaatttca tatgaagcgg cccccacttt aacattcaca taggtgagtc 360
 tatcaagagt actcctgt 378

<210> 24515
 <211> 374
 <212> DNA
 <213> Glycine max

<400> 24515

accttttggt tgcatttttt acttatgtgg cagggcgggc ttccttcacc ttcttgtctc 60
 caacgcggac tttagaccatt gttcttcctt cccgcgatgc tccttttcat gtctgcctga 120
 gtgggcttat agcctaaacc atacttccca cgattacctt gggatattat cagtctagtt 180
 atgccgccgt tgttttttcc taaacccatc ccgggctcat aaccgttccc caacataact 240
 cgggccatca ttaccgctgc atcggacaga ctaggctgcc caaagaggga gtccacggag 300
 gaaatgctga ccacctcaaa agactggaaa gcagtttcta acgattcttc tgcggcttcc 360
 acataatgca tggg 374

<210> 24516
 <211> 372
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24516

agcttaatat ttctatatat ggcttaaaac aggctcccc tcagtggtag cttaagtttc 60
 attggataat ttcttcattt ggttttgatg aaaatccata ccacaagatt agtgggagta 120
 aaatatgatt tcttgtttta tatgtagatg atattttact tgcagccaat gatcgggggtt 180
 tgctacatga ggtgaaacaa tttatctcta agaattttgg catggaggat ataggtgatg 240
 catcttacgt cattgacatt aagattcata catatagagc tcgaggtatt ttaggtttat 300
 cacaggaaac ctatattaac aaaatttttag agagattntg gatgaaagat tgtttaccaa 360
 gtgttgctcc ca 372

<210> 24517
 <211> 436
 <212> DNA
 <213> Glycine max

<400> 24517

tgtagagaga tctttgttct agtgaatcg attaccccaa atttgtaatt gattactttg 60

ttctgttgag accatgtttt ttttcttagg tctttgcttt aatcaattac gaagatatag 120
 gaatcgatta catggttctt gaaagtgttc ccagaagtga tcaagactac tttaatcgat 180
 taaatcaaga atctaattga tcacattggt attgaaagtt ttccaagtgt tgggaagaac 240
 actttaatcg attaaaaatga gaatataatc aattacatct ttgagataat cgattacaag 300
 ttgtttctaac tattttctct atatatagcc accttgtgtt ctcaactgtca agcattcaaa 360
 acatacgggt ttgaatgaac ttttaactca agacttcaat gatcttttgt tgaagatttc 420
 aaatgttaga gtgagt 436

<210> 24518
 <211> 367
 <212> DNA
 <213> Glycine max

<400> 24518
 agctttatca cttttcattc ttgagctgat tgactatctt gccgtgtttg agatgcttgg 60
 atgattttca tgacggcctt cactctttaa ctctttacgt gttggatgtt acccattctt 120
 ttcattcctt gagattcatt gagaaaatag taattgttgt tgtgtttgtt tgtttctctt 180
 taatgtctct ggatttgtcc cttgctttgt tttttatttt gcccaggagt gcaaaagcct 240
 aagtgtgagg ggatttcatg tgatcatcatt ttctcctaata tcttaaccct ttttgtcacc 300
 attttaatta ctgattagcc ttaattgtca aattaattat gcagctgtat catttaggca 360
 tattgga 367

<210> 24519
 <211> 433
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24519

taccctogct atcggttcaac gactttcccc gggttaaata atcggttcaat cgtgaataag 60
 acataaacat atccacaaat gctgttgtct caagtgcacag gtggcaactg caatttcatt 120
 cacgtcacc ctccaatttc tcttattttac cttcataccc ctcactttta tccataatta 180
 ttaattatca ataagcacia aatttaagta agtgctgcag cctgcaggtc ttcctttttt 240

ttttaacact catatccata agtgaaaata ctaatcagaa atttgataaa aaaaataagt 300
 aaataattta atcttaattt tagtatattc atcatttaat gagttctgcg tgtttgacaa 360
 aacacaacca aaatcatttg tagaataaaa aataaaaaat attttttttt cataaactca 420
 aattaactnt ata 433

<210> 24520
 <211> 367
 <212> DNA
 <213> Glycine max

<400> 24520

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 tatttggaaat tcaatgccac ttagtctgac ccaacaagaa cttccagtaa gaatatgctc 180
 aacataaatg acatactcta gtactcctcg agtggattgt gcaaattttg ccccccaatc 240
 aatttcttag cttcacactc ttaatactct ctacttggtt aaaaagtatt caggggtttcg 300
 ggtattgttt atttggagga aaaaggaaat tgggtgtagac ttcaatcaat tattttttaa 360
 tctaaca 367

<210> 24521
 <211> 418
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24521

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 attcatcaag aacctagaga tacaagtggg acaattagtc aaacaaatgg ctgaaagacc 120
 cattagcagc tttggagcaa ctatagagaa gaacgcgaag gaggaatgca aggtagtgtt 180
 aactagaagc cagaggagag cgcaagaaga agaagagaaa gctgaaagag accagtctga 240
 ggaaggaaag gcagacaaag aagaagagaa ggaggaagaa gagaagaaga gggaagaaga 300
 agaagtagag aaaatggtct taacctctaa gaccaaagc caacaagccc aagaggctat 360
 gaaaaaagag tcaccaaccc ctctaaagga gccctatac cctntagtgc catcaaag 418

<210> 24522
 <211> 360
 <212> DNA
 <213> Glycine max

<400> 24522

atcttgcaat attttttgtg agagttataa acttattgaa tgctagcgta aacttggcgg 60
 attattacaa ttaaacataa tcctaattggt gaagctaaat tactatacaa ttttttgcac 120
 ttattttctct ataaacattc aatggctata ttatatccca actagactcg taaaaatttt 180
 aatttcacac tctattgatt ttaaccatga tctaacgatt attattagct gtgtctttca 240
 aactccgtga gattaaaatc aaattacact tatgattaaa aagacattga gtttctaata 300
 attcatattt cttaactaac gattatggat gtcttctaag ctgccggatc atatattgac 360

<210> 24523
 <211> 430
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24523

nttagaggct atggaatgaa acttcaatct ttatatatac actttgntnt attactcttt 60
 tcaaaaaccaa acaaaaaaact aaaacaaaaa caaatcaaaa agggtttttg tatagatgga 120
 tttcttatct agttcgaaca gatggcatct aagatcatgg ttatatatta ttagtgctga 180
 tcaagcattc catgaaatat tcataatatt aatgtttttg gtatacggct gatcctacaa 240
 gtaacaaaat catttccaga atatttaata cagtcttatt gtcaagattc aaactcaaga 300
 tcacttggtta aatcaaaaac aatttcatag gagttgatat atccatttga tagtcataaa 360
 atactcatat ataaagaaaa agtatataga tatatgggta agacatttat ttccttatat 420
 agctagattc 430

<210> 24524
 <211> 337
 <212> DNA
 <213> Glycine max

<400> 24524

tgcttgatc tttgatgaag aagcagctat gaagtatttt tcactatgtg aggctatctg 60

cataaatcac aagacaccat tggtatctat cttccactaa accctttgct agtccattta 120
gataacatgt attcattgta aatgaatcca ggctttcatg tctactctag tcatgaggat 180
catgatgtgg gtcatgaaac acatataact ctgaaattgt ttgagataac taaatcatat 240
tactcctatc actatgggga tcatacttat taagatcatc gagagatgtg ctcattacag 300
atgtactata ttgccggata gtgagacca tatatca 337

<210> 24525
<211> 417
<212> DNA
<213> Glycine max

<400> 24525
aggtagggaa aacgattggt caccattagt tgggtcttggg tttcgctgaa ttcaaaatta 60
attgcggcca ctacatacac attaaattat tctcttttta ttaccaaga agatatagaa 120
ggttcattat taggttgtaa tttgcttaat aatactatag cagagaagat atagaagggt 180
caacgcattt aatcttcgaa atttgtttga tacttgcttc tttgtagttc cccccacatg 240
caaaaccata tataacggat ggattagcac ttatttagca ataaaatata tacacttaca 300
ctggattatg tttatgaagc atggacaatt gtggttccat ctatgcaaga caagatgcat 360
tacaggatca ttgactaaat aaagtcaact acaccatccg caagtttcaa gattctt 417

<210> 24526
<211> 364
<212> DNA
<213> Glycine max

<400> 24526
tgtttgccgt aggtccgccc ccgttaactc tggatgcttt cgaataaata actacataga 60
tggaattga attctgacca ggctcctagt aaataaaagg ttaaaatact tcttcgggtcc 120
taacaattga gtattatgta cattatcgtt tatgtaattt tttttggttt tttttcatcc 180
ttagataggt ttagataaca ctttaaataag aaaaaatata atgtaaaaga tgataaatac 240
gaaaaaaaat attttgcaag aactaaataa aacaagagaa gttatagaaa tgaaaataaa 300
aaaaacgtta aattacagat aaattttttt ggaaggacta aaataagcca aaatactggt 360
tcag 364

<210> 24527
 <211> 414
 <212> DNA
 <213> Glycine max
 <400> 24527
 tatataagga ataacaaatt gtgtgttcaa cagcctgaga aagattgcat atcaataggt 60
 gtaacaacc acttttaact agtgaacatt ttgccatcaa atttatgaat cagatcacac 120
 agcacgaagg aaaaaacaaa cacaccacac tgtatgtgtg cacgaacaga taagaaagca 180
 tattataata tacacaagaa ccaatgaagc acaccaaagg caaccaagaa tatccaagtt 240
 ctgataggag aagccataaa atagccacga aatattatTTT ggaattgaag agacctagtt 300
 atcagaaccg cctatagatt ttagtaaata gataagcaag tatgtaacac aaactttcca 360
 ataggcttga aaactcactg ctatcacatg tgtcacagat ggacggtaca gggT 414

<210> 24528
 <211> 366
 <212> DNA
 <213> Glycine max
 <400> 24528
 attttcctct accacctcat taagaatcaa agtgccatga agaatatgtc tgtctttaat 60
 gaaagctgtt tgtctttcat caattaaggc aggtataacc tgtctcaacc tgcttgctag 120
 aagcttagct atcactttgt acatgcagcc tatcaaggat attggtctat aatcatttag 180
 ggactgagga tggttaactt tggggataag agccaagaaa gaggcattgc tgctctaggt 240
 gaaacaaccg ttgacatgga actcatccac aaatcttctg aactctgggt ttagcacact 300
 ccagaattcc ttaataaaaat tgaaattaaa accgtccggc ccagggcact tatctccacc 360
 acaact 366

<210> 24529
 <211> 348
 <212> DNA
 <213> Glycine max
 <400> 24529
 atgtgaaagg atgtgactct tcacatttta gtttgtattg caacgtacaa agggactagt 60

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24532

agctttcacg tttgagatga cgcagtgtct atgggtgctt cttactactt ttcttcgtag 60
accacaaagt ggatcctgaa catatgccta gggggtcaaa ggaccttgta cgacgtcggt 120
gctgcgctat tgtccataac ccatcttgac caatgctgac ccatccgggg catagtcatc 180
cttagagaac ctgagatgta cctttacatg cgagctcctg gctgtcaaca gatttaagga 240
acanagacca caatttcgcg agagctgtgg tggctggaca actgataaat atggtgatat 300
atgggaagtg gcctacggat atctattacc ggaggggctt aattga 346

<210> 24533
<211> 322
<212> DNA
<213> Glycine max

<400> 24533
tgagatgagg aagtgtagaa ggggtgattct ttctgttttt attcgttgac cacaaagtgg 60
tacctggaga tatgtcgcgg gggtcaggag accttgggga cgtcagggtg ggtgctattg 120
cccaaaacca agcttgacca atcccgaccc aaccgggga tagtcagtta atgagaacct 180
gtgatgtacc taaacaggct agctcctggc agtcagacag ataaaatgaa caaagactac 240
aaagcaagga cgctagtgtg gcggtggcc atctgtgaat cttgtgtgat atatggatta 300
tggcctcttg taattgatta cc 322

<210> 24534
<211> 371
<212> DNA
<213> Glycine max

<400> 24534
agcttattgc taatattaac tagtaagaga tagaaatcat agaattaagt tccgaatatg 60
acgtgaatgg ctgatgcttg atttggctta agcaggaatt ccaaaacata tatgcgattg 120
gaccaaattt ttaaagtatt tacctataat ttctacatat attgattggt actataagta 180
gttcaagatt acctggtaat ttctcttagt atgaagtatg gatcaaaccg gttaaactat 240

gctgatgata gtttagtttt tttattacct gcttggataa gttcttagtt ctccgtacgt 300
 tatggccaat ttgcgtcaga ttcattcata atgggatggg tacattgctg tctaagctgg 360
 tccctgatgg t 371

<210> 24535
 <211> 423
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24535

ttctttatcg ttggaactcc agtatctttc atttgatctt tggatngatt ggtaaagt 60
 gttgtctctt atttaaccct tcttttatta tattgttatg ttagcatatt tgtgcaacat 120
 catcgtaaac ctatcacaac aataattttt attaaaaaat tgacaatata ttaatagtga 180
 actaaaatta ttaaaatttt aaaatgtgag agatcaaagt taaatgtgta gtataatatt 240
 tgaataatca aaattacaca atcataaaat taaaagagt tttttaaac tattatgtat 300
 tcaaaattaa agaataatat taaaaaatgt tataatttac tatactctat tatgcacttc 360
 ttctatttta aaataaaata taaacgtaaa aaaaacaaca taatttgata cataacgtaa 420
 taa 423

<210> 24536
 <211> 373
 <212> DNA
 <213> Glycine max

<400> 24536

agttttatgt tgctcaattg ctccaggttg ctgcatggaa gggcaaaggt ctgtatgggtg 60
 gtcagcagag gagcacaac cacaaccct tgcgacaggt acagatttct gattcaaggc 120
 cagctgggtt accaagataa ccaatgcac cagtttgct tcaagcttct tagtttcaga 180
 tgatgcagat gggttttag ctacctcatg cactcctcta atgactatgg catcatttct 240
 ggcgctaaac tgctgggagt tagaggccat cttctcaatt aaatttctgg cttcagcagg 300
 agtcatgtct ccaagggctc caccactggc agcatctatc atacttctct ccatattact 360
 gagtccttca taa 373

<210> 24537
 <211> 370
 <212> DNA
 <213> Glycine max

<400> 24537

agctttgctt ctacaggga gacttatctt tggacttcat agggggattg tgcaccctta 60
 agggcaatac agtgggtgctg gtcgtagtgg acagggttctc taaaggaatc cattaggggtt 120
 cgctcccttc acatcacaca acattcaatg gtgctcatct ttttatggag atcgtgggaa 180
 aacttcatgg gatccccac agtttagtct ccgggtcgaga cccattattc atcagccgct 240
 tgtggcaaga gttgttccga ttgagtggct cgaaacttca tatgagttca gcctatcacc 300
 cgcaatccga cgggcagatt gaggtgatga acacgggtggg tgagcaatat cttcgagcat 360
 ttgtgcactc 370

<210> 24538
 <211> 436
 <212> DNA
 <213> Glycine max

<400> 24538

tcagccatat gtttagaatg acttttttta ccacactaca tcagtttctc aagctcacta 60
 gaaaaaagga aagtaaaagt aaaagctcac tagctgaatt actattcctc agttagggtc 120
 ttaatgaatt gaacactagc aaatgttggt actgtgtcaa caaattcatt gaaaagcata 180
 gggagccaaa tgaaaccttg ttctcccatc cacttccaaa cttcaaaagg gatatcatct 240
 agaccaacaa ctttacccta aaataacgaa aacaaatatt cccctgacta tacaattag 300
 aatcaaatag actattcttt ttagtgctgt aaatctgaat gaatctccta aaattaaggt 360
 ctgaaactct aaatgaatct cctaaaatta agcctcaatc actgacatat agtatcataa 420
 acaagaatgg aaaaaa 436

<210> 24539
 <211> 372
 <212> DNA
 <213> Glycine max

<400> 24539

agtttatgtg tatggaacac ttacttggtg gtgatgaaca aaagcgcaaa acggaatcaa 60

agctatcata gccaaagcaaa acagagcaaa tgcagaaaac tctgctcaac acatcaacca 300
aatcacagc ttttctcact tatagaccac agtaacaatt ctttcgatcc aattggataa 360
ccgttgatc gactc 375

<210> 24542
<211> 448
<212> DNA
<213> Glycine max

<400> 24542
ctaagcttga aagcattgat ttgatactgc ttccctcatc atgtggctta tgatgtttac 60
aatttaatga tcctttgcta ccctacaatg agacacacac agatacacia acacacacac 120
atagagacia acacacgcag acacaaacac aaacacagac acacacataa agatacacac 180
acgcacacac acacacagag tcacgcacac ataaagacac agacaaagac acaaacacac 240
tgagccacag acacacgcag agaccacac acaaagacac acacactgag tcataaacac 300
acacatacac aaacacactc acacacatgg acagacacac acacacataa agagacaaac 360
acacacagat aaagagacia ccacaaacac acacacccac acacacacag ataaagagac 420
aaacacacac acacacacac acatacac 448

<210> 24543
<211> 366
<212> DNA
<213> Glycine max

<400> 24543
agtcttacct ttggcctctc ttaatggatc tagacgtgac caacataatg gtctctataa 60
gactaaataa gggacaaatc aaccagtcct cctccaaatg gaggtacaac aatcctaaca 120
atagctaacc ctggctgtgg ctttgccctt gccctccgct actgatgttg ttgacgcttt 180
tcacatatt gctagtgtc caatgtagac actctatgat gtctctctgc aacatcctcc 240
cctttgtaca aagggccttg atggaaactg tcacgtctaa caacgtacaa tgtctgcttc 300
gtgcaagcca tctaaatctt ttttataaaa ttaactcaat aatcataata aaaaagtata 360
tttatc 366

<210> 24544

<211> 364
 <212> DNA
 <213> Glycine max

<400> 24544

gaaaacaaat tgagatgggtg agatcagata gaggtgggga gtactatggt agatacacag 60
 aggatggaca agcaccaggt tcatttgcga aatttcttca agaacatggg attgttgccc 120
 aatacactat gcctggttct ccagatcaga atgggtgtggc agaacgaaga aatcgaacct 180
 tattagacat ggtgagaagc atgaagagta atgtaaagct tcctcaattt ttgtggattg 240
 atgctcttaa gacggctgca tatatattaa accgagttct aaccgaggct gtctcaaaga 300
 caccttttga gttattcaag gattgaaaac caagtttgcg acatatacgc gtttggagat 360
 gctc 364

<210> 24545
 <211> 374
 <212> DNA
 <213> Glycine max

<400> 24545

tttcaagttt gatgtttaaa gcgagaagta cgtgtttgtg ggttacgact caagatccaa 60
 gggatacaaa ctctataatc caaatagtag aaagatcatc ataagtcgcg acgtagagtt 120
 cgatgaagaa gattgatggg attggagtgt tcaagaagat aagtatgatt atcttcctta 180
 ttttgaagaa gatgatgaaa ttgaacaacc aatcatagag gaacatatta caccacctgc 240
 ctccaccgaca ccaaggctgg atgaaacatg ttcaagttag aggacaccgc gactaaggag 300
 cattgaagag atttatgagg taaccacaaa cctaaacgac attaacctct cttgtctttg 360
 tggtgattgt gagc 374

<210> 24546
 <211> 430
 <212> DNA
 <213> Glycine max

<400> 24546

cgctaggag aaaccataaa atagtcaaca acctttagtt gatttttaggt ggtacagaga 60
 tacttttcta actaggggtt acacaagaga agatagtcaa caaccttttt ggaaagaaaa 120

atttctagcc ggtcttccca gatcattagg agataaggtt agagataaaa tccgtagtca 180
atctgccaat ggagatatcc catatgaaag tttaagttat ggccaattaa tttcttacgt 240
tcaaaaggta gccttaaaaaa tttgtcagga tgacaaaatt cagaggcaat tagccaaaga 300
aaaggctcaa acaaagaaag attaggttct ttctgcgaac aatttggtct accggcctgt 360
ccaaagcaaa agataaaaca atcttcaaga aaagaaatcc atgagaataa accggtcaat 420
acaaagagat 430

<210> 24547
<211> 366
<212> DNA
<213> Glycine max

<400> 24547
agtttatgcg catacttctt ttacgaacgt tcacttgac aagacattct tataactacg 60
aaaaatgcac ccatgtacaa tcaaggcacc ttcgttacct agattattta tatgtgcttc 120
caaagagtat ttgttaccta catctcatgc acttccttgg ctaaatttac atacatgcgt 180
actcagagca tttgggttac caaaaattgc acatgtgcac attccatgat tgctaatact 240
tatgcatata caaactttgt gaggaatatt ggctatctac acaacaaggt gatacatctc 300
atgctttact caagatattg ctacctaaag ccgcatgcaa attcaagtat attttctttt 360
gctgac 366

<210> 24548
<211> 421
<212> DNA
<213> Glycine max

<400> 24548
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atcaaaaggt aagggtcaaaa gagtattctt tatgaaatat atcttgatat gagtcatcga 120
actatagcgt attagcatca ctaagaacaa gaaatgacaa acaaccatac tatctatgca 180
attaaggcaa aacaccatac tacaagtgat gtagctccat gtggagcttg caggctctga 240
atctttcttca tcaatggagt cctttacttc ttgaagacca tggcagtga atggaaaagg 300
aagaaagatg attggagatg ccacatcaag gagaagatga gtcaagaaga agctcaccac 360

catagtaagc catggataag agcttgaatg taggagaaga atagtggagg gagagggaga 420
g 421

<210> 24549
<211> 364
<212> DNA
<213> Glycine max

<400> 24549

ggttttttatt tctcaatcaa tctgtctact gactagcgct tctaagtgca agttcacatt 60
cttgatgttt atttgactaa catacacact tggacaaact catgataagt aacgcaaatt 120
ccatcacaat catgcattaa atccaaacgc aaaccataca ccatttttca catatagata 180
aaagtggctt acttccatat gatctaaatc aagccaaact gttccatatg ctggaaaatg 240
agccatccaa ctacccatat ataggaatag cagtgtatat aaacataaaa gacatactgt 300
actgaaacca taattataat aataataatc ccaacagaga acaaacagca tcatcatgaa 360
ttta 364

<210> 24550
<211> 329
<212> DNA
<213> Glycine max

<400> 24550

tagggactaa agttcgcagg tgttgagcgt ttggttctat gtctgctgat gttcgatcaa 60
gtggcctcat aataattaag aaggggggga tgaatcaatg attcctatac cttgactaat 120
caaaaattac tcttctaagg ctcttactat attgcacaca gaatgacgag tctaacataa 180
actgaccaga atattctatc cgtacttata tgcactactg aaagtaatac agtaaggaag 240
aacgatactg acacataata ggttttatac tggttcagca actacccttg cctacatcta 300
tggccaacgc gacctgcggt ccttgagat 329

<210> 24551
<211> 243
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24551

agtttgnagt atnaagggga acccatcgca tgtggtagta gggggcaggc agccgatggt 60
gcacaacatg tactacacat ggacaatgcg cgcataaagc caacattccc tgttgaccac 120
atccaactga gctcacgtag ttccaggtag accatatgct gattcctatt aacaccgagt 180
gctcatcaat cctcgcgagc ttacacaact tgcaagccta tccacattct atcagcgcaa 240
gct 243

<210> 24552
<211> 423
<212> DNA
<213> Glycine max

<400> 24552
tcaggctggt caattgctcc agattgctgt ttagattggt ttaggtctgt gtggtggtcg 60
gtggaggatc atataccaca gagtctggcg acagggtgcag atttttgatt catggccagc 120
tgtgttacca ggctaacaca tgcactagtg ttaccttcaa gcttcttact ctcggtgat 180
gaagatgaat tcatggctac ttcatgcact cttctaata ga caatatcttc actcctggca 240
ctaaattgct gggagtgtga agccatcttc tgaattaaat ttgtggcttc atcaagggtc 300
atgtctccaa aggctccacc ataggcagca tctatcatac ttctctccat gttactgagt 360
ccttcacaaa aatattgtag gagaaaactgc tcataaatgt ggtggtgatg gcaaatagca 420
cat 423

<210> 24553
<211> 333
<212> DNA
<213> Glycine max

<400> 24553
tgtctggacc acaagtgata gtatttacct gtctgtctct taaagcctca acaaaacaag 60
gtgtgtatct gacttcagta tcacctatcc ccagttggcc attttcacct ctgccccatg 120
agtagacact cccccagaa gtcaaaacag caacatggta tgaaccgttt gatatcacct 180
taacaaactc ttgtttgaga tgttcttcag acatgactgc tttatccgtg tcatgtggat 240
ttactagttg tgcataattg gcacttgcca ttgcaaaaac cttgccgatg ttagagagag 300
ctacagtoga cattcttaca catgacactt gaa 333

<210> 24554
 <211> 425
 <212> DNA
 <213> Glycine max

<400> 24554

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 tatatgattt aacacctgaa attaattaaa taagttccct ttcgattgaa tactgggaaa 120
 acatgactta taattgtttt ttttatatat aaatatgcgt gtaagagtgc taaaatgtaa 180
 aagagagaga gcgcgataga gagagagaca catattttct aattatttta tgatttttct 240
 gcttttagta tgaatgatag gaatttataa ttcgaaagac tatgttatac taatagatga 300
 aattttgatc gattcacgat tacgatgtga tgaggcatgc atttatgggt tagtttcatt 360
 tcggtttgta ccagtatggg tgtagtattt gttcttgta ataaaataag ctcttttagc 420
 cttgt 425

<210> 24555
 <211> 368
 <212> DNA
 <213> Glycine max

<400> 24555

tcggcttgca agtttggaag accactgtat gaggagtgtt gtagcagagg acaacagccc 60
 accccttatt gtatccccac aacccttat cgcagcccca cagtatgaat tattgcctga 120
 ataacaacga aacttataca ataaaaacac ttgataaccg atatcctcat catggaaatc 180
 actaaatttg aaagacgacc ggatgacacg ctgaagttca aacagatata tcagggttaa 240
 aaagaatctt actaatgacc ggttacctaa taggcgatgt cttgcatgtt atttcacttg 300
 cggctctggaa gagtttatta ttgtggtggt gaaaactact aggactatga tcgacttctt 360
 tcattcat 368

<210> 24556
 <211> 374
 <212> DNA
 <213> Glycine max

<400> 24556

tgagaaatct caggagacca ctagatatgt ctttggtgct gctggaatac agacatgagc 60
 ccgcttagag gtaaaggatg agcttatcgc aattgggggtt ggaatgaaca tgtgtaggga 120
 tccttatagg attaaattga gattcatttt ggaatgttta ttaaattaaa attctccttt 180
 aggattataa atataatatt gttgtgtttg atggaccaat tgatgttttg atgtgaattg 240
 gttgataaac ttgagtgtc ttgatgtgtt tgtgttttta acctatgatt ctgattcatc 300
 gattctatat gattgtgtgg aattgtgttg aggggtttta ctcccatgt tgtgggaagc 360
 attttgata aatt 374

<210> 24557
 <211> 140
 <212> DNA
 <213> Glycine max

<400> 24557
 atgttttggc ctagcgttct gggtgaggct taatgtgttc atggaggatg tacagatgaa 60
 cttgcatctc ctggtgtgct agcggatctg tttatacgtc tcacatcaat gaattctaca 120
 tctgtcgcgc atctgtaggc 140

<210> 24558
 <211> 595
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24558

gcagcgctac acacactaca ctacatccgt cttctgactg acactgaaga agtgntgcgc 60
 ngtactgnta acttaaccn cgnncnctc cccccccac ccccgcggcg ccnattgaaa 120
 cgttttgact ncngtgacac tacacaanac nccagcgagg cacatagcag ggacacagac 180
 tgagggccca actttcctac atctatgtga ctaataacga atagggttaac acgataaatg 240
 gaccttaata aattttgaag atgaacgccc gattgcaaat tatacactta tacacagnta 300
 atgacttctt cttttttcta aggcagaggg tggtgattaa ttcagctaca tggagatagg 360
 attagaaacc gagagccaaa taatttgtcc aaacacgatt gaaaatgaaa aacaaagaaa 420
 aacactgatt cctcattcaa attactatga tcaacacata gtacaaaatt tattacaatg 480

aatcctctac ttgtgagtat gcttgttcca ttggaaagag atcaattcgc atgcaaccgt 540
catagtacta cacttcttct atttcagaaa ttaacacgaa tctcacactg catat 595

<210> 24559
<211> 375
<212> DNA
<213> Glycine max

<400> 24559
agtttttagat ataaagccta ggaaatagca aatctacgtt ggagtattca taaacaatta 60
cagaaaacac ccactatgac agcaaaggca atgaagttaa gaaatgcac aattatttag 120
cacttacaga aaattatgat atctttgaaa tcatataatc ttcagctctg agattgctca 180
tcatcaaaat ctctcccggt agctgaaggg aatataatag tcttaacttc actccctatg 240
gtggctatgg ttttctcttt aacctacaaa tttcacagca ttgcatgagt gatagtttca 300
gacacaaaat gtacaaaaat taaaaataga atataggaac caatgtcaac aattgaatgt 360
ttgaaccagc aagaa 375

<210> 24560
<211> 435
<212> DNA
<213> Glycine max

<400> 24560
gccacagga gaaagatgtc caaaaaatga aatatttaaat tatataaaat caactccctc 60
ttgttggtgtg taacccttgg ccacaagcct agctttgttaa ctttggtatg cgccattaac 120
acaatgtttg atgtgataaa cccacctata accaattgaa acttagcttg gggaaaatca 180
gttagatacg aagtatgatt tgcttcaaga gtatgtaatt catccttcac agcttttctt 240
aatacagttt catacttaac agcttatgca tatgttttgg gttcagaaat ttttgaaatg 300
gctaaggat atatttgaga tgactaggag acaaatgatg ataggacaga acagtggata 360
aagaatataa agcagtacct gaagtagaag aaaggaacct gctgagttga gaagattgca 420
tgtagtgaaa aatga 435

<210> 24561
<211> 369
<212> DNA

<213> Glycine max

<400> 24561

agttttttcc ttctcgacac gtatactctg aaccacaaga gcaagagctc atgtttgatc 60
atcacatggg tatagaatat aaaaaagtat tcacaaattt tattatatta tagtagattt 120
caaatttaaa tttatctttt tttttctttc tctcttaatt gtatatattg ttatataatt 180
tatcgtataa gtataatttc tctcatgcaa aacaaaattt tcttacgtac actaagtttg 240
cggagttata taatatgatt tatttaccat taaattcaat ataaattggt tatcatatat 300
acgtcagaaa tatttattta ttatgaatgt taatactact ataatttata tatattaaaa 360
ttattctta 369

<210> 24562

<211> 418

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 24562

nttctctctg ttgttctact ggggtttcca agagttatag ttatatgaga agaaattgaa 60
gccttcattt tgtattgtct ttgtgcgatt cacttttctc tctccatgaa taatactttg 120
caaatcccaa tggtaaaggt gtgcgcaact gaatcttgaa ccaagtatct caatttcattg 180
atgatcgaac ggttaatgag tccgggatca tagatttact aggtagggtc tgagtctctg 240
tggaanaaga gaaatctaca atgcgaacga catttctcta agctccaaca ttctttcgca 300
atttccaacg gagaaaatgc tcagaaatta gtttccgacc aggtgctgag atatcacgac 360
gatccaacga tcaaagaatc tgagatcatc atttctacta aaatagattt gagcgtat 418

<210> 24563

<211> 354

<212> DNA

<213> Glycine max

<400> 24563

gctttgtatt ttagectaga ggcagcgagg cacttgtcca ttaagaatga ataaaagtaa 60
tgttcctttt gctttaatcc attctgaggt atggggggca tccccaaaat attctatctc 120
tggtatcgc aggttagcga tatttggtga tgagtgcact cgaatgactt ggattaactt 180

gttgaacaa aaaaaatgac ccggtacaca tatttcaaca attccataca atgattcaga 240
 ctcaatattc aaagaagatt acgatccttc actctgataa tgggtggggag tttgctaate 300
 accaattcca tgagtatttc gaaaaacacc gacttattca cgaatccacg tgtc 354

<210> 24564
 <211> 430
 <212> DNA
 <213> Glycine max

<400> 24564

cagggaggaa cctgcataga atcaaggcca gtggaattag agtgcgctac tgccagtctt 60
 acttgcacga caagttcatc ataaaacata accaaggatc caagataaca taaatcccaa 120
 cacttcacgc aatcagtgcc attactagca taatccggat ttctttacat tactattatt 180
 ataaatagca gtatgatctc cattgagaca cactatatat gtggaatatt ccctcaaaaa 240
 attaaattaa ccatgtgagt atattgtcac aacatgattg cagaggatgc aactaaaatc 300
 acaaggaaat attgtcagta acctccttaa gtactcgcat ggagttcaag ttcaaccaca 360
 taagatacaa attcgtacat ttcatataac ataaattcgt cgcaggtttc tatctataca 420
 aacatgacca 430

<210> 24565
 <211> 342
 <212> DNA
 <213> Glycine max

<400> 24565

ctctatactg cagctggcag ctttcagttt gcttgctgag cttctataga ggatggatca 60
 ttgagcttca aagatgtcat tcaacggcga ttttacacca tggagatgta gcggaaggaa 120
 aaggataaga ggtagtgga tacaccatcc actaggaat atgccaatga tgaaggagtc 180
 ttcactctcc atatatgttg cctttgataa agaatctcga agaggatgct ttgatggaag 240
 aaaagataga tagactgggt gagcatgata ttgaatgaat tatagactga gagaagtgca 300
 actttgaatt gtggctcata tttatagact aagggtgcttc ct 342

<210> 24566
 <211> 433

<212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 24566

tgtccaatcc tctaatagga tcatctccat tttatattat cactttcatc accatctcca 60
 tcatcatcaa tgccttctc agattgtgca tcatcatcag gttccacgaa aattaaatta 120
 tctagatcaa gagcttaaaa tagatatcaa agatgttata tcagaaatag ttaaaactta 180
 aaataataca caagcacatt ttaaatttga gaaagttcat aaattatacc ttctcttggt 240
 gttattaaaa ttgcatttta tcttctcttt tgcattttcc atctcatata tgaaaagtat 300
 tcagtaacaa gattgatcca actccaacat tgtanggtca gttgttgtgt tctgtaatag 360
 actaatataa agtatgaact atgaactatg agtgtatcgt cattagtctg caaatagggtg 420
 cactttaaat ata 433

<210> 24567
 <211> 352
 <212> DNA
 <213> Glycine max
 <400> 24567

atctttgaac gtgcgtagcc caccatcttt tcatagtaga ataccggtaa tgtgtctacc 60
 atcacgatta tcatctccct ttccatcatt gggggtagca cttgggctgc cagatccctc 120
 cacctttggg cgtattcttt gaaagattca tgcccccttt tgcacatgtt atgtagttgc 180
 atcctatccg gagccatatc agaattgtac tgacacttcc taacgaaggc aaccattaag 240
 tccttccaag aatggactcg ggaaggctcc aagttagtat accagggtgac agctgccccca 300
 gtgagacttt cttggaaaaa atgtatcagc aggttcccat ctattgcgta tg 352

<210> 24568
 <211> 151
 <212> DNA
 <213> Glycine max
 <400> 24568

tgcatggaat tccttccagt attgtatcag acaggatatcc gaggttcact tcgcgatttt 60
 ggacaagtct acatgaagcc ttggggacaa agttgaagct tagttcagct tatcatcctc 120

aaacagatgg tcagactgaa cgaaccattc a

151

<210> 24569
<211> 348
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24569

agtttngnca tcacaatact cctgattgac gatgtctcca tatgttctta aaactggact 60
gattcatttg cttacacagt tacatgggct tgcaggcgaa gacccggaca aacatttgag 120
ggaatttcac attgtctgct ccaccatgaa acccccagat gtcgaagagg atcacatata 180
tctgaaggct atgactcact cattagacgg agtggcgaa gactggctgt attaccttgc 240
tccaaggctc atcacgagct gggatgaccg taagagagta ttgttataaa aaattttccc 300
tgcttcagg accacatcca tcaagaagga tatcttacgt attagact 348

<210> 24570
<211> 425
<212> DNA
<213> Glycine max

<400> 24570

ctgcagattt ggtcttcgcc agtgaaagg tcaatttggg tccgaaaaga ggcaaatttg 60
atcctctac taggacgact gagaaaactg gggcaaata agaggggtgag aaagagggag 120
aaacccatgc tgtgactgcc attcctatac ggccaagttt cccaccaaac ccaacaatgt 180
cattactcag ccaataacaa acctccttac ccaccgccc gttatccaca aaggccatcc 240
ctaaatcaac cacaaagcct gtctaccgca cttccaatga cgaagaccac ctttagcaca 300
aaccacaaaa caccaaccaa gaaatgatat ttgcagcgaa tagcctgtat gattcacccc 360
aaattccggg gtcatatgct aacttgctcc cacatctact tgataatgca atgggtatcca 420
taacc 425

<210> 24571
<211> 364
<212> DNA
<213> Glycine max

<400> 24571

tgtttcatgt tgctcattga ctccatattg ctgcaaagaa ggatgaaatg tgtatggtga 60
 tctacagaat aacactgacc acagactctt gcatcaggtg cagatgcata tttctgattc 120
 atgtgaagct gatttactag gatgaccatg gcatcaagtg tttcctcatg cttgtttatt 180
 ttcaacacat gaagactaat ctgcgggccag cttatggact cctgtaaaga caataacatc 240
 atttcttgaa ctgaattggt gggagttgga agccatcttc tcaatcaaat tcctagcttt 300
 agcaggggtc atatcaccaa cagctccacc actggcagca tcaatcatac tcctatccat 360
 gttg 364

<210> 24572
 <211> 417
 <212> DNA
 <213> Glycine max

<400> 24572
 tgctacacaa ataacctgtg atttgtgcat tctcctgtgt ttgtgtgtac gaactaagaa 60
 gtaggaacca ttagcctacg tgacatctgg taaataacta gattgagata gtttggtgtg 120
 gccatgacta tagttctaata agcaaccatg atattaaaag tccctttatg tcaacctaaa 180
 ttcagtttag ttaaaaaaaaaa ttcagttccc ttctcctaa tttttatctc atgtttccca 240
 cttttttctc caatctctct tcattatctg attttatttc aatgattcaa ctctctccat 300
 aacctgtcct gacatgttgg aattttcttt aacctagtta gattgaagac aacgaatata 360
 aataatgagg cataatatct ttctaaata tagttcattc tataactcaa attaaaa 417

<210> 24573
 <211> 365
 <212> DNA
 <213> Glycine max

<400> 24573
 agtttgtgca tagttgtcat agacaaaggg atctaaagaa ttaataatca aatagtattg 60
 atgaaaaaaaa tgtgcataaa tcaagtacaa acccttcaaa acaaagtaaa atcaaatagt 120
 aattgtagct gaccatagaa ggagatgaat gaaacggata ggaaactaat gttcgaagct 180
 aaatgtatga acaaaatcta aaacccttga aatataacgt gagagagaga gctgaatcga 240
 atgaatcgtg acttttgaaa atcaagtcaa agtgaaaata aatagaagag ggtgattatt 300

ttgaactaag aaatcgagat ccattgtaaa accacatatt gagtcgactt gtggaatctg 360
aatgc 365

<210> 24574
<211> 426
<212> DNA
<213> Glycine max

<400> 24574

caagctcctt caactgcaca aggtcttatt atttttgagt atccttgtgg aaccttcacc 60
cgacgaagac actgacaaaa acttatcttc tccttcttgg acaaagtatg gcatgctgag 120
ggcaagtaaa ttatcttacc atcacacctt ggatgcaact gcaatcttat acccatatca 180
gctagatctt gactgggtatt gaatccatcc taagctttgt cttgaatgtt aaggaacatt 240
ctaatacacac tgtcacaaac atttttctac acatgcataa catcaatact ctgtttaatg 300
tctatatcac accagtactg aagatcaaag aaaatggacc tcttcttcca tatgcatctc 360
tgacatttat gcttctttta gagcttccca aatacagtgt tcacagcgtg aaccgcgatg 420
atatac 426

<210> 24575
<211> 363
<212> DNA
<213> Glycine max

<400> 24575

atcttcctta agaagattcc ttaagaagct agagcttagc tacacatacc tctctaatag 60
ctaagctcac ctcttgaga tgagaagcta gagcttagct acacaccccc tataatagct 120
aagctcacc ccatgacaaa aaacatgaaa ataacagaaa aaagtcctta ttacaaagac 180
aactcaaaat gccccgaaat acaaggctaa aacctatac tactagaatg gccaaaatac 240
aaggcctaga cgaaggaata gcctatttta atatttaaaa agataagcgg gctcatactt 300
agcccatggg ctcgaaatct accctaaggc tcatgagaac cctagggcct ttcttggat 360
ctc 363

<210> 24576
<211> 431

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24576

ntcaacaagt ttcttcacaa ataatcatca tatagttgaa acctagcaag actacccatc 60
atatctccca aaaccccata cccacgaaaa tcaaaggaga aagaagtcca cccaaacctg 120
aaatttcgaa gtcccaacacg tagagacgtg cttcacgact ccgaaaatgt cctcctttcg 180
cgatttgagg cagaaatggg caccaaaggt tgaagctttg ttgggcaaca atggtggagg 240
aagaaaagaa gaagaaggct gcgtgagaga gagggagagc ttctgaaatt tcttttgggc 300
tgagtgagga gagagagaga ggtgctcttt ggttttaaaa aggggttttct ctttctctat 360
tattntatatt aagctatgcc acatgtctcc atttgagtgg agcaaaaagg gccactctc 420
tcttttgatt g 431

<210> 24577
<211> 227
<212> DNA
<213> Glycine max

<400> 24577

ctatgagcca cggaacgacg gcaaaatgtc ttaaattggca tcagcagcgg tgcccgggac 60
tagaggacta atgattacca caatctggat tcaccgttca ggcggtctta aatcaagatc 120
aggagtcaag actccggatt cattaatcga gatctgactc aagcgagaca cacatgcac 180
agctttgtca gatactgatc aggacatgta ttgttcgcaa cacctgt 227

<210> 24578
<211> 375
<212> DNA
<213> Glycine max

<400> 24578

agcttgccct agttaagttt aggaaagtca ttcattaaat gacagtacat ttgtttcatg 60
ttttgctgtt ttacaaaaag agctaaaact actctgttgc acttcgtcta catatacctc 120
aacattacta tgcttaataa aatttggtga tcttagtaaa acataaagca ctttctcaaa 180
tattaagatc aaataacatt cagcgtatcc aagagatgca gccaaaataa ataatgagaa 240

cattaaaaaa ctgaattacc tcacttaaaa tgagaacccc tttcttggat gcttgacacg 300
 caacaaattc atagctgaca agattcattc catcccttac agatgtaaca agtgctacat 360
 ctaaattcga tgtga 375

<210> 24579
 <211> 426
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 24579

tatgggcctt gttgactcgg gtgtgagttt aatcttgtac tatagtgaac cctttgtgaa 60
 gggttatgcc attggttaat ttgggtcaatt tttcaaaatt gtaatatttc ataacttttc 120
 cccacttcag gccattgaat tatgtgatat atatccacgg ttgtagggat ttggagcatt 180
 catattcacc ttagaaaata aggggcatgt catgttaggc agaatccata aaggcgtcgc 240
 attaaataat tgtctttttg aggtctgaag acggcgaata gactcggata actgagataa 300
 taatatacta atcacataat tacaattttt tttaaaaatc aaacaaaaaa ggtaaggtt 360
 cggctctgta agagtntga taagtaaaaa taagtacatg gtaatccatc tatatgtcta 420
 ctatac 426

<210> 24580
 <211> 371
 <212> DNA
 <213> Glycine max
 <400> 24580

agcttccact tgtatattgc atcagtaata aaaagatttt tgtttccctc cctgggatat 60
 agccatactc aagggtgaac cacgtaaatac tgtgtgttat tttcctcata tttctttctc 120
 tctttttcac cttgctgcaa aaatcctgcg tatgacacag ttttttgttg catctgttac 180
 tgcttttctt gcttgttctt cttcacttcc ataacagact ggtattaaga gctcacgttg 240
 cgatcaagga aattcaagat tcttgtctga atacaaagat caagctgcgg gagtcttgtt 300
 tctggttctt tegtgtcttc actgtgatca agaaaactta agaaatcatg tcaaacacaa 360
 tcaagattaa g 371

<210> 24581
 <211> 436
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24581

tatggatntg ttctacatga ttatTTTTat ttcatgaac actggttcat tttcttgctt 60
 tctctgtcaa cgcttaaatt tttttgtgtt cctgagcctt ttctgacgtt gctttctctt 120
 ggTTTTcttg cattttgggt tcagatatgt agcattgggt atctttgtga tcgacagcaa 180
 caacgaagac aacaaatagt gtccgacatg aaaagaacag gtttgtgatg gttgagtatt 240
 cttcttcttt tgcaagacaa aagccacata tcatagtatt cttcttctta tttgaccgtg 300
 gttgagtttt ttttttttag gttcgttttc cctccctgtc tccttctgtg ttttcatttt 360
 acctattttt acatttgtat gtgtttnttt tatttcgggt ttttgTTTTt tcaactgcatg 420
 ttcattgctt cttcta 436

<210> 24582
 <211> 371
 <212> DNA
 <213> Glycine max

<400> 24582

agtttcatac tacttgttgt aattgattac aatgaggcta taatcgatta aaatagaaag 60
 tttttgcctt tgaagaaaat tctctaacta agaaactttt cttcacacaa accatgataa 120
 tgcattgatg aatacaaata tcaaattgtac taagattgtaa caaccaagat aacaaccaat 180
 acaaatgcca ctcaatggag ttggggatgt aaaaacaaaa acttcttcaa gctttagccc 240
 ttaggttggt cagaagctag ctagttagtt aagttgaaca tccttttagat tgctagctgg 300
 ttgaaatcaa gcttaacgag gtggatatag ataaataata ggaggaaaaa agtttttaaa 360
 tataaaattc t 371

<210> 24583
 <211> 434
 <212> DNA
 <213> Glycine max

<400> 24583

tcatgatgaa tcaagattga ttcaaagaag ttttgtctat taaaaagggtg atgacaaaaa 60
 gcttcgtgat gatctcaaga atcaaagaat gagttcaaga tgttcaagat tgaatcaaga 120
 acatttcaag gttcaagagg aaaattgatt tcaagaatca agattcaagg ttcaagcttc 180
 caagaatcaa gatcaagatt caagactcaa gattcaagaa tcaagaaaag acttaataca 240
 gataaatatg aaaaagtttt ttcaaaaact gagtagcaca tggatttttc tcaaacctg 300
 tttaccaaag agtttttact ctctggtaat cgattaccag attattgtaa tcgattacca 360
 atagcaaaat ggatttgaaa aatttttcaa ctgaatttac aatgttccaa ttgatttcaa 420
 aatgttgtaa tcga 434

<210> 24584
 <211> 360
 <212> DNA
 <213> Glycine max

<400> 24584
 gtcttcgttt cttacctaag aaacaaatgt aactgagatt ttacaacatt aatagaaaac 60
 tcctaacatg attcaattca cacattgtct cgaatagcat attcagaaca tgcaatcaag 120
 gcaaaaaagg aaatcaacac caacagagaa caaatcagtg gaaactctgc atgtttcttc 180
 atgcctacac tacataaacc gcacaaaaga aaaacctaga aaaaaaatta gaaaatccta 240
 acagtcactc attcacgatt gtgggggtct atttagcata aggtaacaca caactgcact 300
 ataaaaagaa gcacgagaat tagaattgag taatagctat attgtatacc ttgtgataaa 360

<210> 24585
 <211> 435
 <212> DNA
 <213> Glycine max

<400> 24585
 tatctctatg gaaaaagggg tgaactcggc attggttggt cttgttttgc aaatgaatgt 60
 ggaagtga catatgccca aacttaagtt tgccacattt atgatataag tttgtttcat 120
 gagcaaaaca attggatctc tatttgtgtg ggtcaaggcg tcaagccatg acggatgcga 180
 atgtttacca acatctgtcc acaaagcatt aatagtaaga agaaccctac tggatttaaa 240
 agagttttaa tgttttatta cacattttct gtcttttctt gttagtagaa tttttgtcat 300

tatgaatatt ggccactgta caccaagctc ttctttcttt ttttttctcg atcatgatca 360
 aggttttttt ataaagaaaa attattttat tgtaagccat ctacgtatta caaattctcg 420
 catatagaat aagtg 435

<210> 24586
 <211> 374
 <212> DNA
 <213> Glycine max

<400> 24586
 agcttggttt tgggcaatag caccacact gacgtccca aggtctcctg acccccgcga 60
 catatctcca ggtaccactc tgtggtcaac gaataaaagc aggaagtttc acccctctat 120
 acttctcat ctcaagcttg taggattatg gggtagccat cacatgtggt actaggtggc 180
 agtcgggcga tgggtgcacaa caagttttcc acatccacaa agcgcgcata aaccacccat 240
 cccctgttgc ccacctccaa ctgagctcac gtactccac gtageccata acctcgtttc 300
 tctcaacacc gggtagccat caatctccc aagcttcccc aacatcaaag taaatcaaca 360
 ttcaaacagc acaa 374

<210> 24587
 <211> 437
 <212> DNA
 <213> Glycine max

<400> 24587
 gcttattaag aggttctctc cagaagcttc attaagatgt ttttagcaca ctccagataa 60
 cttctaaaag atcccaacgg tgagatcatg aaaacgtgtc ttgtgaagtg gtagaccaa 120
 tttcgagaag atccagcggg taacgaaggc tgggcatcgt ttttaccgag gtagcttcat 180
 gtagctttct ctagaagctt cattaagagg cttctcttag aagttctctc gtggcttctt 240
 tgagaagctt tctcaagagg cttctttgag aagctagatc cttatctatc cacaccctc 300
 tattaactaa attaacttcc ttaaaaataa ttacagatga aaataacgca acaataatc 360
 aaacatcaaa cataattact aataatatat agatatatat atcaggggtgt tacaccgtgt 420
 ggtgttagct ggaatat 437

<210> 24588

<211> 419
 <212> DNA
 <213> Glycine max

<400> 24588

gaattcgagc tcggtgatcg tcgatactct acaggcgagc aggcagcttt ccagtttaag 60
 agcgtcacga ctactcttca gatgtctgcg gatactataa gatacaaaat ccacggtacc 120
 agcagaaaacg actccaagcc agtgacaatt gccgcataag cctaattcta ccatccaatc 180
 ggctggataa tgggaattctg cgacacagtc gcgcacaggc atattggatg tgatcgccgt 240
 gaataacatt gtcgacttac ataaggaggt gtgatagcaa gtgagcatga ccctcgccga 300
 caacctgtac tctgttccga cgacagcgat gtcctctgaa gccacgcaca gcgccttcac 360
 cagcgtgatg acattgcatc ccgacctcga cgacctcgat gaatcgccgg cgcaagaac 419

<210> 24589
 <211> 392
 <212> DNA
 <213> Glycine max

<400> 24589

tgggctgctc ctggtgagca atatgtcttt gaggtttttg aaacacatgt tcatgggagc 60
 tgcacttgca aaaaaccac aattgttgat gcacgatata tgaccttcac gatgagctcg 120
 gcacgcaatc gtgtcatggg acatatattc acaactgacc tgcacagacg acattcaaat 180
 atacaacata taacatcgcg ctttactga tatgcagaat aactcaatgc ctactatga 240
 atataggcca atttgaggaa tgcaaccgga taacacactt tgaccactgc aacatattga 300
 tgatactcgc ttatgagcag acccatgcaa ttatacaaca aatgacggag aggtggtgca 360
 ttgctccact ttatgaatat gccaaagttgc ac 392

<210> 24590
 <211> 371
 <212> DNA
 <213> Glycine max

<400> 24590

agctttcaac aaatgtcttc acaaataatc atcacacagc agaaaactaa caaaactacc 60
 catcatatct cccaaaaccc catacccacg aaaatcaaag gggaaagaag tccacccaaa 120

cctgaaattt cgaagtccca ctctagcca tgcacttcac gaccccgaaa atgccctcct 180
 ttcgcgattt ggggcagaaa tgatggccaa aggttgaagc tttgcttga gcttcaatgg 240
 aaaatgaaga agaagaaaat ggcaacgtga gggagagaga gagctgtctg aaaagctttt 300
 tggctctaaa taaaagggtt ttctcttttt ctattatttt atttaagcaa tgccacatgt 360
 ctacatttga g 371

<210> 24591
 <211> 423
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24591

ntcaacatca gggttggggc agcagggaca tgaatgtatc cattctattc caattctctc 60
 cttttgtctt ttattagta ttttttttaa attgaactaa cattctatgc tcttaagttt 120
 ggcttctttt catacttgta tataaatgta aggtgtccct ttcatacccc cttttgtggt 180
 gcttggacat gcttgtgagt tttttgtttt ccttttctct ttttgataat ttgattggac 240
 atgcttgtga gttttttgtt ttccttttct ctttttgata atttgattga tgtgtgagca 300
 atgatggtta ggaggggaga agaagtgtct gaattctgag ctatggcatg catgcacggg 360
 ccccttggtg tccctaccaa ctgcagggac tcatgtgggt tacttcctc aaggtcataa 420
 tga 423

<210> 24592
 <211> 360
 <212> DNA
 <213> Glycine max

<400> 24592

agttttagg ttatagtac gatgattggg ctagaaatga agatgatcaa aaaagtatta 60
 gtggatttgt gtttttcatg gggaatacga ctttacttg gatgtaaaaa agtactcgat 120
 agtcactctt ttgacttggt aggcagaata cgtagcagct acttcatgctg tttgtcctgt 180
 agtctggctt aggaatttgt taaaagagtt ggacatgtca caagacgagc agaccaagac 240
 ctttgtggat aataagtcaa ccattgctct agtaaagaac ccagtgttcc atgatcgaag 300
 caaacatatt gacactcgtt accactacat aagatagtgc atagcaagaa aggatgtaca 360

<210> 24593
 <211> 407
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24593

agttggatta tggggcaccc gtcatatgtg ttactaggtg gcgattgggc gatggcgcaa 60
 atcaactctc ccacttccac aaatcaaaca tgaaccaccc atccccagtt gcccaccttc 120
 aactgagctc acgtactcct acgtagccct tatectcgtt cctctcagca cctgggtcccc 180
 atcaaccctt ccaagcttcc acaatatcca agcaattcaa tttccaaaca tcatgaacta 240
 ccctaaacca agaaaatagg gcagaggcag aaaactctgc ccaaaacaca ttacataat 300
 acagctttcc ttactcatat acccccgtaa cattctcttc gttccgattc gttaaccggt 360
 ggatcgacat gaaaatntta ctagagggtc ctagtacata aatctac 407

<210> 24594
 <211> 368
 <212> DNA
 <213> Glycine max

<400> 24594

agtttatggt caactcacia ctagacagac ccagagccac acagtataat aaaatcaaaa 60
 ttaatttttt tttccagtac ggctatggaa ctcaatcgtt gacaacagag aagagaaaaa 120
 caatgagtea gcattgcatt ggtacctttt cttectatth ttctcctggc tctcatcacg 180
 caggctcagt aaagttggcg ggaccaggct ttgtacacaa accgttcctt caattgtgtt 240
 tccaattcca gaaggttaatt taacgcaact cacatcacca gttttgaggt cataccaaca 300
 gagcttgcta cggttgagtt cgaacaaaac cctgtcccca tcatccatag ccaaaggcct 360
 cacatatt 368

<210> 24595
 <211> 426
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24595

taacaaactg tgtttcattn ttactgttct tatcttttta taaaaaaaag aaatctaact 60
 aatgaagacg aacactagtg agaattattg tcactcttat taaatatata gttataatta 120
 tttaaaaaaa aatatagttt atatttattt tattgggtgg tgatgagtgg ttaggaaatg 180
 tctaaaatgt ttgaaaatgt tagtagtaat ttgttattaa tatttatggg gatgagcaat 240
 gggagtcaaa agatggagca gatgatgatg cgatgtgggtg agtgaattgc agagtcggca 300
 atgggtatgtg tatgagcgta gtcacacttg aattgaattg aagctctgtt ccttcatgtg 360
 acgacaatct ccaacgtcgt aagtcgtaac actacaatac gtgttgtcat cgtattgggtt 420
 ttagtg 426

<210> 24596
 <211> 358
 <212> DNA
 <213> Glycine max

<400> 24596
 tgtttaatag tgaatcactt attgtgagga caagttgcta tgacattaaa ttttaattgcc 60
 attcttgttg catatttcta accatgcttt tgattttgtt gagctaaaaa gttgaatgtg 120
 ggcaccacca tacttagttg attgaagcac atgaacaaaa aaattgttga atgaagggga 180
 atgcaagaag agtgtgtatg taacttgtct ttgtgtatac ttagtcttta gttttaattt 240
 ttcttttgtt tttgagtcct tacttttttt aagtagttct aactgtttta gtagttttag 300
 ttagtcttgc ttgaggacaa gcaaggttct aagtttggag tgttgataaa tgtcaaat 358

<210> 24597
 <211> 406
 <212> DNA
 <213> Glycine max

<400> 24597
 tctaccccaa ttgtctatga atagggggag atgtgttgtg gaaaaggggtt cagcccccta 60
 ggcacttctc tctctttcga atttgcttag gaaaattgtt tccgtgaaga aaatccaagc 120
 cgtggcgctt ccgtaacgtt tccgtgagtg atttcgcgaa ggttttcaac cgttcttcga 180
 cgttcttcat tcgatcttca tcattcttca gtctttaacg ggtaagtacc tcaaaccaag 240
 cttttcaatt cattctatgt acctgtgggtg gtccacaata ggtttcatgt attttcattc 300

tcgttttcat atactttgcg taccccccttt tgacgtgctt aagccgttat atttaattca 360
 tttctcgctt aacctacaaa taaactaaat ttccatcgat cgtttg 406

<210> 24598
 <211> 348
 <212> DNA
 <213> Glycine max

<400> 24598

agtttgtgaa gaatttggca ttggagatgc tcgcttggag gaaatgatcc gagaagctga 60
 tcaagataat gcgagtatat acatatattt aatagtaaca taatttattg attgtcacat 120
 aatgaatgaa agaagaaaat gaatttagca aattgacatt ggtatagctt tcctccatta 180
 gataacgtaa ttctggagta ctaccgttgg aaggataagt agatcaacat cttaatcata 240
 atatctcaac tgtgttgaat atattaataa tactacttat ggaaagtact atgtggctat 300
 aatacaatgg ttagatggat ttctaaataa ttttatgcca tgatgaaa 348

<210> 24599
 <211> 444
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24599

ggacctatga aactcagctt gcagggggct gaaagatatg taaaatgcta ttatctatac 60
 tntttagttg gatctataca attcaccocaa cggttgtaaa gaggccaggg ggctgaaaga 120
 cgatgattat ataatgcaga attttgagaa tattgctgta tgattgtgct aatcctaatt 180
 gtattgagaa tattgctaca tgattttgct gatcttaatt gattctattt gtgttaattc 240
 tgattgtatg tattaattct tattgcattt taattctatc ttgtatcttg atctcttgat 300
 tattgcgatc acttattttt aggatagata gttgtatcat atatgtcagg agaagctata 360
 ggagaaatct tacttaggcg gttggatgac cttgcatata tatgtatcga ttgtttctaa 420
 tacatgcaga gcaacatatt ccat 444

<210> 24600
 <211> 364
 <212> DNA

<213> Glycine max

<400> 24600

gcacctttga gctttcatgt ttcgaaatag acaactgacc agctgacgat cagcgaatga 60
tgaataacgg actgataatg ttcaccgaaa cgtcacggaa gcattactga agcgctcag 120
gcttagattc atctgtgcat tatctttgtt ctagatagat ttaagggat tatgaatacc 180
gatagtgttt aacccttca actaagcccc ccatgcccatt ttatagacaa aaagggggaa 240
gaggatgccg ccagccttg ccaggcgagc tagaagctat ctccagaagc aatctactca 300
cccaagcgag ctggatgctt catgttgaag cttgataatg ggctagatgg gcccatggct 360
gagg 364

<210> 24601

<211> 291

<212> DNA

<213> Glycine max

<400> 24601

tctttactag aaaattcctt gctgtattgg ttcttgtgct gagattggag ttgttgacgg 60
ggtgagactg tgtgggaggg ctttgcgttg agtgggcact ctttgctgga ctgtcaccgg 120
attggaaggg tttttgacat gggcggaata tctcggttgg agtggcgaat attcggaagt 180
gttgtgaggg gtttgatggg atttatgcca agtaggagct gacggactag cgagggtatc 240
tgcttacttc ttcttgaccc cactggctct gaattattgta ttgctcctgc t 291

<210> 24602

<211> 357

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 24602

agctttntgg agtagaaaca tgggaccaac tcattttatt tcaaaaaaag aaatcatatc 60
tagtcaaggt ctgagagacc atacaagttt cctaacgatt tctaattatg tgggccatta 120
agtctatcat atgctgacaa tagccgagaa gcccatgaat ctcttcgggg gcggagtagg 180
tgtctgccat cgccttggcc ttggctaaca atcggggaag ttcttgactc ccgttcaagg 240
taagagcaaa ccgatccatc cacatggttg cctcttggtg taaagagtcg atcacccttc 300

ctctagcctc tttttccgca tataactggg cataactcatc cgcgattcta tgctcgt 357

<210> 24603
<211> 433
<212> DNA
<213> Glycine max

<400> 24603

tcttcttaga cctaaggatc ggtcatcttt cctggccgac gtcttatgtc atatttttcg 60
atcaatatcg gtgaataata tttttctgcc gtggtgggct aatgttttcc tggttgaata 120
aatgggaaca tgccagtttc ggccgaaaca aaacgtctgt tgagctcgca cgaaaaaacc 180
tagccggcct acattgttaa ttttttatgc aacacaaaa caagaaaact tccactgccg 240
taaaaaatac aatcataggc cagcgagcgt ttttaaaaa aaaattgtcg gggctatttc 300
atgaccgatg tcgactattg agtttttcta ttcaatccct gaatgagatt tgcgatgtgt 360
cgattaggaa atgttcgatc ggcatcatcc ggtgatgctt ccattttaga cctcgatcgg 420
tcattctctcc acg 433

<210> 24604
<211> 357
<212> DNA
<213> Glycine max

<400> 24604

cagctttggg ttttaaaaa acctatttac caccgccagg gttttagtta aggccccccc 60
cccttctttc cttgggggaa aactctcttt tctcctctct ctcttgtatt tttcgatttt 120
aagtttagac tctcttctct ttctctttta ttttgcgtta cttacaaatc ccggtcagac 180
actttggttt atcaataaaa gttcattctc tatttgatta atggaaagct tagtccgcat 240
cgttgttttc ccttgaggat caagcacagt tctctttgag ggtctattat taccgctaga 300
tttttggtaa attttcctct ctccctaatta ctttgaattt ggtgctttta attcatg 357

<210> 24605
<211> 379
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 24605

ttaacttaat tatattacac ttgtttatgt atgtgtttat ctcttgactt aaatataatt 60
ttggtcattt tattttactc aatacgtaat ttgggtctct ctattttaaa attaaaatat 120
ttgatactcc tattttttaa aatctacaat ttgggtctct ctattttaaa atacaaacat 180
tttgtcccta tatttttagaa aattcataat tntgattctc atattataga aaattcacaa 240
ttttggttta atatataatt tctcctatgt ttcatttctt ttatttttta cttttagtct 300
aattaaatca tttcttgatg atatcttaaa tgaatatgta gatttaggat ttaattagac 360
caacacataa gatataaaa 379

<210> 24606

<211> 371

<212> DNA

<213> Glycine max

<400> 24606

agcttgatcc ttacgagtca acttgggtcaa aggcaaggct aacttgagga aaccttctat 60
gaatctctag taatatcccg cttaaactgag taaacttcta atttcataca cagatgactc 120
tcccacttaa gaaaaacttc attttagaaa gatctacagc tatatcgccct tgggatatca 180
catgtcctag gaaactaagt ttccctaact aaaactcgca cctggaatct tagcttaaag 240
ttgtcagtc ttaagggttt gcagcacaat cctcaagtgc ttttcatgct cctctctagt 300
cttggagtac accagaatat catctatgaa ttctaccaca aaattatcta gataagggcg 360
aacaatctta t 371

<210> 24607

<211> 423

<212> DNA

<213> Glycine max

<400> 24607

tcatgttgaa gtatgtatgg aaaaacttca ttactgttgt ttaacacata caagtgagct 60
tgtaacaaat cttcagactt ggagttataa catgcagtc ttttcaacc ttaccacca 120
ctctgtcgtc atggtaagac ttatgaagcc caatagggtt tgcttttca atgtactctg 180
aacaaaactc aatggctttt ttttcaatgt acctttcaac aatagaagct tccggacgat 240

gtagattctt ggtataccct ttttaagatct tcatgtatcg ctcaactggg tacatccgcc 300
gcaaataaat aggaccccaa catttgattt ctgagaccag atgaacaatt aagtgaacca 360
tgatgtcaaa gaaagtagga ggaaaataca tctccaattg gcataatgta attgcagcct 420
cat 423

<210> 24608
<211> 374
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24608

agctttgaat gaggctgaag aagctgctgc tcatgttcaa caagatccgg tggagattaa 60
tttatctcag cctcatttgt cacaagatag tgacatggag tttatggtaa atatttgtca 120
caacaaagta gttttatctc aacctaatTT gttgcagcac tccattttta tatattacaa 180
ttattcatgt ttggcattta catgtaggtc cctgcaacta ttgttccacc aatagcaagg 240
aataagctag ccataacaag agccataaaa aggaaggttg ctgataaaga tgatgcagaa 300
aactgaagaa gcattttttg ttgcattntg aaggttgctg aaggttgctg aagacccatt 360
ttttgttgcg catt 374

<210> 24609
<211> 435
<212> DNA
<213> Glycine max

<400> 24609

tgctggtgaa gattctatgg aggctggatc ttgagctcct tgaggtcctt caatggtgat 60
ttttcaccat ggagatgcag cggaaggcaa aggagaagag gagaggggag gcaccatcca 120
ctaggaata agccaaggaa gaaggagctt caccactaag aattgccttg gataagaagc 180
ttgaagagga tgctttaatg gaggaaaaga aagagagaag gggggagcac gaaattgaag 240
gaataaaaga gggaaagaag tggaactttg aagtgtatct cataagactt tcattcatca 300
aagttacaac aagtgttaca catgcttcta tttatagact aggtagcttc cttgagaagc 360
tttcttaaga aaacttcctt gagaagtttc tttgagataa cttccttgag aagctagagt 420
ttatctacac acacc 435

<210> 24610
 <211> 361
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24610

agcttcttat ccaaggctca tcttggtggt gaagctcctt cttccatggc ttattcccta 60
 gtggatggcg cctcctctcc cctcttctcc tttgtcttcc gctgcatctc catggtggaa 120
 aaccaccatt aaaggacctc attgaagctc aaagatccaa cctccataga agtccacaa 180
 gcaagcttcc atcaagtggg aatcagagca caagagcttc aagtaggtgc tccttaaacc 240
 tccattaatt ttttttcttt accttctctt ccattgggtgt ttcttcattt ttctccatgt 300
 atctcctcac atgtcttggt ctaaagtgtt ttaacatgat tctttanagt ttccacctat 360
 t 361

<210> 24611
 <211> 413
 <212> DNA
 <213> Glycine max

<400> 24611

tggattgatt cagtcctaact agggatcaag gtttattaat ttacgctaca acatagaaca 60
 caaaagcatg attgattaga gaaatatctt tacatacctc agctgggtcta ttagaaaggc 120
 ccaacatatt tacctattgc tgtcaatttt acttacttgc atttttattg tttttagcct 180
 atacttagtt taatcctggt ctaaatacctc aattatcaat gtttctttca acaatgcctt 240
 atttttgaat ttaaccgggt cttagactcg ttccctgagt ttgatactcg gattcatcca 300
 ttttaatttt aaatacttga cgatccagtg cgctttccag aaaaccggat ttcccttgaa 360
 catatttgta caaagaataa gtggaccaaa aagtaactgt agggaaatcc aac 413

<210> 24612
 <211> 367
 <212> DNA
 <213> Glycine max

<400> 24612

agcttgattc ttacatttat ttcccttttt tccctttttt taggaaaaat atgaaggtga 60
 ggaggtagaa accactaaca aagagcattc gcaccattgt gtcttcaa atgtcaactcaa 120
 ccacactagg tgtagggagt ttccactcta aacctcacga atcatgtgat gtgggactgt 180
 tttgggatca tatgggtggt tggaacata aaaatgctat gggtttcatg ctatgttgct 240
 aaaaatgtta aaaacgcgtg ttttttttagc tattgttgag cagagatggt ttgattttta 300
 gaaaattaca ggctacatat ttccaaaagg ttagacaatt cctaagggtt ttggagtccc 360
 tagaatc 367

<210> 24613
 <211> 431
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24613

tccctggacc aatattaagt tagcgttaat tntgttgcaa tatcacctag taccgaatca 60
 gccaaatatt atcctgtagt acacacataa caaattccag gtttgttggt ttaccttaaa 120
 atacttttca tttgtcaaag gggtagaaaa ttaattcaaa gaagcaaaat gcttaagatg 180
 caaagaagaa attgatatgc atcataaaac aatttaagat atatctctgc aaacatgact 240
 cagatcaacc atttattcta taacaagaag attcaggaag ccaaataaaa ttgaatagac 300
 taattttaac caactagata caatagggtg tcagtttaga agccaaataa aattgaattt 360
 tttttataag caaagtaatt tatggatata agaatgcttg caatgagaac aagagatgcc 420
 caaaacaata c 431

<210> 24614
 <211> 348
 <212> DNA
 <213> Glycine max

<400> 24614

agcttgctgt tttatggaaa gaattctgga catccaaggg aatagtactt gcaagggaac 60
 tcaagtgatt cagacacctt ctccagtgcc agacacctaa tattttccaa ctcttggtac 120
 acaagggaac ttgggtggcg ccctatatta catgggaaac actgtggtgg ccatggacac 180
 tctaaaaaga ctctatgtgt tacattttat ccccttatg gaaatacact ttgcagcttc 240

aatcatgaca agatcaactt tccgacaact tgatgaaaat taacacaaga attgcagaat 300
 caaagattgg ctaaagatgg gaagaaattt tgggttatgg ccctctat 348

<210> 24615
 <211> 171
 <212> DNA
 <213> Glycine max

<400> 24615
 tgcccaaata agtgaggtgt gtgtgtgatt agatctttta gtcccttact atttgaattg 60
 taaagtgcta gaaaaggcat tcttatacta agtagttgga cttggagcct ataatttcat 120
 gtttactttt atctgctctc tgacatcatt gagggagctt ccccccccc c 171

<210> 24616
 <211> 361
 <212> DNA
 <213> Glycine max

<400> 24616
 atcttttctat caatgtgatt aacaaccaca atttaattaa ttaattaatt aacataacga 60
 aatcagagcc aggataccta agattgattt gattcgtcga ttaaatagact agattgttca 120
 attcaaaaag gaatttacta ctactactac tactacagaa cgtatgaact tgaattgcta 180
 gtacgatcct gaacgatgag aaataaatga taataagaaa gaaagtacct tcggatcttg 240
 ttgccctggc cgacctggta catgccccaa gagaaagcgc cgaatgtggt gaggaagatg 300
 gcaacggcgc tggggccctt gtccgggatg cgccggggcga accggaccgg agcgaaccgg 360
 c 361

<210> 24617
 <211> 424
 <212> DNA
 <213> Glycine max

<400> 24617
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 cagtcttttag atttgggagc caatccaatc cttgtgtccg gactctcagc cacttatgat 120
 agccgccgat gatccatta ctgcttcccc taagctctct gtcctttctt cacgccgcat 180

cccatgcctt gcgaactcct tggagtaccc tcgcgttggt gtcactgaaa ccccggtgca 240
 tgaaagacgt gatgctttcg tctgatggca ctctctcat ggggtagcca agctgtctta 300
 tggcgaggac gggattataa ttaatgcaac cccttgttcc catcaaggga acatttggac 360
 atccttcgca tgaagataga atcctgattc ttccttcctt ctacgcaggg aaccaattaa 420
 caga 424

<210> 24618
 <211> 324
 <212> DNA
 <213> Glycine max

<400> 24618
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 ttagagtcta tctcttttat attagtgaga gtgattctcc taaaatcttg agtgaatcaa 120
 gagcaccttg tctgtatcaa acgactttca caacctttgt gtgatgacct ccctggatag 180
 atggatgggt tccttccttt cgtcatacaca cctggtgttt caaacgacaa ttcgagataa 240
 ttcacctttg ccagaacta tctagtggac gtagctccca tttacacac tcaaatacaag 300
 tgatacttga gcctaaattg aatt 324

<210> 24619
 <211> 427
 <212> DNA
 <213> Glycine max

<400> 24619
 tcaacattca atatcgagcg tttcgatata ttacgtgact gaaccagaca tccgagtaaa 60
 aagttactgt agtttgaagt tgctcggagc ttcaacattc aatatcgagc gtttcgatat 120
 attacagaac agaatcggac atcagagtaa aaagttaatg tcgtttgaat tatgtcagag 180
 cttcgggtatt ccatttcgag cgtctcgata tattacggga ctcatgcaga catccgagta 240
 aaaagttact gtcgtttgaa tttctcaga gtttcgataa tcaatttcga gtgtctcaat 300
 atattacgag actcagtcag acaaccgagt aaaaagttat tgcgtttga attatctcag 360
 agcttcggta ttccatttcg agcgtctcga tatactacgg gactcaatca gacatccgag 420
 taaaatg 427

<210> 24620
 <211> 363
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24620

agcttctatc acagtctcat gatctgaaat gcatggtcta atgacctgat cactgcacaa 60
 tttccacaag taggggtcat cccaaataaa atgcttagca tcacttttaa ttttatcttt 120
 ttgggcctta gatgctaagg gaggaaaaac agaagcaact aaataattga caatgtagc 180
 aaaccagga gtagaaagag aatcagaaat actatacaat atatataaat gatcatccgg 240
 aaaatcatcc cgaatgggtg agtcctcatc agacacatgt tcggtccgac tcanatgatc 300
 agcaactaaa tttgtgctc cgctcctatc acggatctcc aagtcaaact cttggagcca 360
 gag 363

<210> 24621
 <211> 448
 <212> DNA
 <213> Glycine max
 <400> 24621

tgacactatg aatctcagct gtcaggaag ctacctagtc tatatataga agcatgtgta 60
 acacttggtg taactttgat gaatgagagt cttaagagac acaactcaaa gttcaacttc 120
 tctccctttt tcttcttca atttcgtgct cccctctctc tctttcttct cctctttctt 180
 ttctccatt gaagcatcct ttccaagctt cttatccaag gctcatcttg gtggtggagc 240
 tcttcttcc atggcttatt ccctagtga tggegcctcc tctctctct tctcctttgt 300
 cttccgtac atctccatgg tggaaaatca ccattaaagg acctcaatga tgctcaaaga 360
 tccagcctcc atagaagcca cacaagcaag ctcccatcac tagtatcctg taaattccca 420
 ggaattatta ctgttggtgc ttcaaagt 448

<210> 24622
 <211> 348
 <212> DNA
 <213> Glycine max

[illegible]

tattgccaac aaatgattat ctgatggccc acataattaa gagctactat ggcaattgta 300
 ttgtcgcttt gattgtgatt agataaaccc ttttgttcc ccaataaaat gaggctgatt 360

<210> 24625
 <211> 360
 <212> DNA
 <213> Glycine max

<400> 24625
 atgccagtaa aaagttactg gtggctgaag ttgctcagag cttccacatt caatatcgag 60
 cgtttcgaga tatgacacaa caaaatcgga catcaaatg aacagttaag gccatgcgaa 120
 ttatgtcaca gttccgtat tccatttcga gcgtctcgat atattacgcg actcacacaa 180
 acatccgagt aaagacttac tggcgtttga attttctcag aacttcata atcaatttcg 240
 agtgtatcaa tatattacgc gactcaggca gacaaccgag tagaaagtga ttgtcgtttg 300
 aattatctca gagcttccgt attccattac tagcgtctcg atatactaca ggactcaatc 360

<210> 24626
 <211> 405
 <212> DNA
 <213> Glycine max

<400> 24626
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 atattttagt atcaataaaa ttgaatccat tctgttgatt gaagttcacc aagcaatccc 120
 ttattcgttt gggatatgtt ccatgtttgg aactgtagtt ttaaaggaaa aaaaaaaaaa 180
 gaaagaaaga agagaaggcc aatttaatag tttaaaaata aaagataaaa atcttaataa 240
 tcatataatt ctcttaattt taaaacaaaa acttgctta ctcttcctat ctttttaaaa 300
 ttttacttcc aagcaaaagg gttaaactat atattctttg gctatctctt tctctacccc 360
 aaaaactctg gatataaaat aattgcaaaa atagttctgt tgaca 405

<210> 24627
 <211> 405
 <212> DNA
 <213> Glycine max

<400> 24627

agcttgtcgc tttatctgac ctatgaacta ccctaactct attagactgg tgattcctat 60
gcttttgacc ttgacttgac agaacctctt ttttaagttaa ggcgcctgac tgcaccccat 120
gttttactaa agcgaaacaa tacccaatgc gaatcaacac tccgacatct atcatgggtg 180
gaatggatga atgcatgaag aaatgcatat gacacagatg caatttatga atacaggagc 240
ccgggaaatt gtccctttct tagatacaac gtttgtgcag catggcgccc tatgtatgta 300
tttaagaagg cgacatggac cctacattgg tttgacatag tgatgggatc aagacaggat 360
ccgtgcatga tgcatatgcg aaaagcacia cacatggatg tacat 405

<210> 24628
<211> 398
<212> DNA
<213> Glycine max

<400> 24628
agctcctaca tttttctgac ttctcacact ataaacctgt tcagatacaa atggattcca 60
caaagctaatt ttcaaattgt gttcaatttc ctaagaacca ccaatcctga ggtagtaca 120
catgggtaatt gctcacatct ttgagagttg ggataacaca agcataatta aacaaatatt 180
ttaagtattt gattatatac accaatatta ctttattata agcataaaga gtgattacta 240
taccaattaa agaaagtaaa atatcgatca tgctcaaagg aattaagaaa tttaagaggt 300
catatactat tacattttaa agaaatgtat ggaatttcaa cacatagaca aaatgaatgg 360
ccttcacatt tcttctgaat aaagcatcac acaagttg 398

<210> 24629
<211> 430
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24629

gactctagct aaatcgctaa ccatatcgga agatttattg atttataatct ncccccgac 60
gaaggctttt gattcgggtt atgaccattc gctaaaactt ctcccttctgt ttccacttac 120
taattttaaa ttctcttgca tgaagttaat aactgtggga cctgctgctg ttcttgtagc 180
gctactttaa ataatcacct ctatgttcat gtgtggcatt ctttccatgg tatggtgctg 240

actagtcaga tatggtcttg aataaaccta aagagtcaca aatgtcttat aatggacacc 300
 aaacattttt gtccattggg aatgccgcta tttggagcca aattgtctga tggagctttt 360
 ctctgttctt ttctatcata gcaatcaact gctgagctat gcttttgcatt cattccctat 420
 acatatttgt 430

<210> 24630
 <211> 403
 <212> DNA
 <213> Glycine max

<400> 24630

agtttgacta tgttatgcaa attgtctctt atggccatga ctaacaattg ttgcatcaag 60
 atgtggcaat catgagactt taagcctact aatttaagat ctttcaactg cacttggctc 120
 ttaatatattg aagagtatcc ttgtgggact ttgacctgtc gtatacactg aaaaaaactg 180
 atcttctcct ttctgggcaa agtatgacaa gctggaggca agtatatttt ttaccatcag 240
 accttagatg taactgcgat cgtatatcca tctcagctag atcttgacaa gtattcaaat 300
 catctttcgt cttgccttga atgttaagat gcgtcccaat gacactatca catatatattt 360
 tctccacatg catatcatta atacaatgtc taacatctag atc 403

<210> 24631
 <211> 313
 <212> DNA
 <213> Glycine max

<400> 24631

aataatatat aacaataaat atattttcca tgctgaacat aaaattaaac aatatttact 60
 acttactata taatgatgtc tcaacctacc cttttgcggg cgagcgaggc gaggtctttt 120
 tgagcctttt ccaaagagaa aaatgtgcgg agtcgccacc aacgcttatt tgtggaaaac 180
 gttcgataaa ctgaaggaaa ccggtcataa acaatatcc aagttcgga gtcgtatata 240
 cgtttgagga atgtagtagc atctttcacg tttgctcaaa ggacaccagc cttatatatta 300
 gaactgtgtg aaa 313

<210> 24632
 <211> 391
 <212> DNA

<213> Glycine max

<400> 24632

agtttttagta gccactcgc taagcacaaa tcttacgcta agcgccaagt cttcacgcgc 60
taagtggggcc cttgcttgcg ctaagegctt aaaccctga ctagtggctg gatggtagcg 120
ctaagcgcgc ttcactgtgc taagcccaaa tacctctcag gattttaatt tctcgtattg 180
ggcttagcga ggtgatgcgc taagcgcaat tccctctctg ttttgaaatt ctttgaata 240
gcgctaagcg ctagcaacgc gctaagcgcc agccatcact gcattgagga gcatgtttat 300
gcgctaagcc ccacctttgg tggctaagca caaattgcag gaccaatttg agctgcagga 360
agcgctaagt gcatactctc acgctaagcc t 391

<210> 24633

<211> 233

<212> DNA

<213> Glycine max

<400> 24633

actcaagctt gtagaacaat aaatcccaac acaccacatc actggttgtc tcttaatctg 60
tttgaaaaag agtattcctt cttctccctt cttgcacgt caataacctc attgaccacc 120
aaggctactat gaaaaagata cctatctttc aagaagggtg tttgcttttg atcaataact 180
ccatttaata ctttcatcaa cctattggca agtaattttg ccaatatttt gta 233

<210> 24634

<211> 396

<212> DNA

<213> Glycine max

<400> 24634

agttttgagc caataccaac gaccataact ttttactcgg atgtctgatt gaggctcgta 60
atatatcgag acgctcgaaa ttgaatgttg aagctctgag ccaatacaaa cgatactgac 120
tttttactcg gatgtctgat tgagtccgt aacatatcga gacgctcgaa attgaatctt 180
gaacttctga gctaattcaa acgacaataa cgtttttctc ggatgtctga ctgagtcccg 240
taacatattg agacgctcga aattgaatgt tgaacctctg agctaattaa aacgacatta 300
actttttact cagatgtctg attgagtccc gtaacttctc gagacgctcg aaattgaacg 360

ttgaagctct gagccaatac aaacgaccat aacttt

396

<210> 24635
<211> 396
<212> DNA
<213> Glycine max

<400> 24635

atttaaatta tgtaagttaa ttttaacatg taaattatct ttattctaata tatataaatt 60
aaaaaattaa tatttatggt tttagaaaac ttacatgtta atattttcat ttttaactata 120
aaaaagttat ctattgaaga aaattacatt aattaatatg taaattatct tatgtaattt 180
acaagagcca tgtaaattta tttttatata taaataatac aaattcttat ttttaattata 240
aaaaataata aattttcaat ttcttatatt atttaaatgt tattttaatt tacttaattc 300
gtataactta cataaaaataa ttttattaaa taatctatat gttagtttat gtagtttttt 360
taacatcata ataaaataag aacaaattgt tatata 396

<210> 24636
<211> 417
<212> DNA
<213> Glycine max

<400> 24636

caccaggtcg aggcaatata ctatcccat tctgtcttat aaccttcac ttcattggtg 60
tgctttcaga aacactagaa gaggcagtac catgaagtac tcggtaactg tcttgattag 120
atgaagttct aggaatggat cgagctgaac cataattact tctgtcctgg tgttgagaag 180
agttccttct gtcaaactct tttggacct tttcaacct tgtgagcaca gaaatatctg 240
atccactctc agatcctgga tggcccaaaa tgcctttcaa ttccatatag cctgttgaat 300
aattgggatc acccacaaca tttggaaagg caggcttct gagattcacc ctatctctca 360
taaactcaag agcaaattcc tcaccagtct gtatggagta attaagtaca ggtttat 417

<210> 24637
<211> 282
<212> DNA
<213> Glycine max

<400> 24637

tgttttatac ccattatcac atctacagga ccaaggctct tcatatcaaa atttctagat 60
 aagaaagact tcgcatcatc ttcgaaactac atatgatgat ccagtatcgg tatgtcatgc 120
 acatactaac atgacacgac gcattcatta tcatcatggt gtgtcacata cacacattta 180
 tcagtgtgat tgatttgaaa accatacgag agaagaactt gatcaaattg ttctgccact 240
 gctttgaagc ttgattcaaa ctatgcatag attgaacaaa tt 282

<210> 24638
 <211> 408
 <212> DNA
 <213> Glycine max

<400> 24638

tcttgcgtag ccgctcttgg tgctcagttt atcccttaaa catatccctc ttattactag 60
 ctattttgaa ttcttttagtt cctgaatgta caaccttcaa attgtggctc gttccctct 120
 ttcttttctg caaaaaagac aatcaaagtc tgtcaaaaca tggatgaagt cctaagaaaa 180
 tcaatatcac agaaaacatg gatgaaatca caattaaaaa gcacaactac ctatctttca 240
 gagtcctttg gttaatttgg cttgtctcct tatgtggcgg ggttctgatt aataatctta 300
 tacttttgcc ttccaaaaaa aacttatcac taatcctctt ttcattaatc caattttgta 360
 tgtcattgta taaaagatca tgggttctac acctgcctcc actactcc 408

<210> 24639
 <211> 386
 <212> DNA
 <213> Glycine max

<400> 24639

agtttgatcc ttgagatata tatatagaga gagaatcttc tttcaccaat taatgatgcc 60
 atgccaacac gtccaaactt ttttgggact aactgtaac ggtatgtttt ctatatacaa 120
 ttacaatgta ttcccagcta gctaggatat gtctgcaagt tctttaatat tttatgttta 180
 cattttcaag ttgggttttg taaacaaaat ctgagatcaa aatcaaattg aactgcctt 240
 atatcggtgt tcttaccttt ggtgttgctg ttgaaacctt aaaaaaaatc caaattttca 300
 tttcctaatt tgtgaaagaa ttgaagcact tatttgcttc cataatatcc gtcatgatca 360
 attattcttt agaaccatta aatact 386

<210> 24640
 <211> 425
 <212> DNA
 <213> Glycine max

<400> 24640

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tgcattgattt acatctccct ctttctcatt caaatatttc ttgatatcat caaaatcttc 60
atgattttaca ttctcccact ttttgatgat gacaaccacc tgtaggttac gagcaacaac 120
aaagaaaata tctatttgca tatagtttac tcccccttgg ttttacaatg attgcttata 180
tgtgacaatt gaagattcca tattcttcat atataaaaag ttgtctcata aaacaataga 240
taatctttct tactatttta tcttttatct ttctctcccc cttggtcaac atcaaaaaca 300
aatcatgaat agagaggaga aagatgttac cacttggtgc aatgtatgag aataagtgat 360
acaaaaaggc attaaaacaa tcattcaata ttaatcaagc aaaaacaagt acaataacac 420
atcaa 425
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<210> 24641
 <211> 384
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24641

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agcttcatct tcttcaccac acaaccacaa ccacgacctt cacctccacc acactttcca 60
ttactcttac ctcttctat ctttgaggag cctgaaatgg cggaagaaga acatcctaaa 120
aggacacttg gatactatat tgcacatgtt gtgcaaaggc acttcatatt ggaatgtgtt 180
atthttggcta ttaaagggtg tagtgtcaat ctataattag gattgctccc ttcaattggt 240
cttagcacat ctctcaattt catgtaaaaa aacttaatgg accggattgg gtaatgctca 300
ccactactta ctaatatatt cacacagaaa aaccactact tattaatatt tgaaaatgtt 360
taactatata ttntcattca atat 384
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<210> 24642
 <211> 421
 <212> DNA
 <213> Glycine max

<400> 24642

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 tttcttctac aagttctttg aatctcttga tccaaagggg ctagatcttc ttaagaaact 120
 ctacctcaca tacatggaac aaagcatcta aagaacatgt tagcaaagta ctcaagagta 180
 atacaaaaac agaatttaaa agcaaagaat tgaagaataa tgaatcattg catagaatat 240
 gaaattagca taagttacct aatacgagaa acaagtcccc gacaacgatg ccgaaaaact 300
 tattacatca ttgacaaaag taccaattag tgtagtattt tcaatagtaa gtagaaagac 360
 tgtctctca aggacttggt tgtactaagc tttttgtgt aaactcaaca actaagcaat 420
 g 421

<210> 24643
 <211> 235
 <212> DNA
 <213> Glycine max

<400> 24643
 tgcacgcagt ttagatataa tggagtttat acaggcaacg cgatattgaa cctaattctt 60
 ggctactttg gacattcata agtccatgc caattaaaat aaatgagtag tatcactatt 120
 ttagcaaaag cgaaatactc gaaactagaa tacttattca tggattaatt caagatatga 180
 taaataaagg agtgtgggat tggataaata gctaataattt attttaaaac cataa 235

<210> 24644
 <211> 391
 <212> DNA
 <213> Glycine max

<400> 24644
 agtcttaagt ttgttatgaa tggctgaaa cataagcaaa atttggtcct caatggagtt 60
 aagattgtat agtggtcgta tgtgatagtt aatgcagccc aaaccctttt caattagata 120
 ttgagcaact cttgatggac taaatttttc tacacctacg gtgattccgg gaatgaaacg 180
 gagctatgat gtcaatcata gacaaacggt atgtcttaat caaaatttaa gttagccttt 240
 ttctccttct catcatgaac taattgatgt ggaacaatga aatgatgttt ttaagtttaa 300
 aaaagtcgta agttaataac ttgagaccgc tgaactataa aaggcctatt agatggcttg 360
 ataacaaaag ctttggcctt ttagtcggaa g 391

<210> 24645
 <211> 443
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24645

agacactcta gaaatctcaa gcctatcaaa tctcacagta gatcgggaaa tctctgaggt 60
 gagacgtatc agataaggtn cgaacacaag gataggaaga agtgcaagcc acatgggttg 120
 tattacaatc ctgtagaatc ccttttagcat caaagcaagt gcagcacaaa atgtacacat 180
 catggatgcc acagacaaaa ataagggtac aagaccaatg agttacttca tgggcaacca 240
 cttgatgaaa tcttgctcag cataacgcga tgtgagaatt ccaataaaca tcaacaccga 300
 tgatgaagat gcgatgaggg atataccgtc tgatacgatg aagaacgtaa atgtgcttca 360
 cctaaaaaga cgggagtgcc atgattatca tcgttacccc cttgggcaag gaaagctgca 420
 catacataat ggctatgatg aga 443

<210> 24646
 <211> 393
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24646

agcttgagac ttcaagatct gaaactttgt tccctaacca tttcgtttta gtttaagggga 60
 gtcttttttca ctctttaaac cctaacccttg ttgtcttttg aagttaggct tcattgcatg 120
 ttgtttgtgat gtttaaaatt tggatatctgc tgtcatgaat ggagctggat gatatgttgc 180
 ttttctggaa gtttaaaagg taaaaatgaa ttttttgagt gttaaaatat agggtttagcc 240
 ttaaaatttca cttaaatcag agttttctag ccaaagtaat gaataaaaaca agtttttagaa 300
 cgtttttatcg aataaaatct gtcacaaaaa taatctggca atgagagctn tgaggattaa 360
 ttntattaaa ttnttgacct tanaaatgag ttt 393

<210> 24647
 <211> 433
 <212> DNA
 <213> Glycine max

<400> 24647

tgtgctccaa acagatgcac agaacagaat tgttttcacc taacttcatg gtaatttaca 60
taaactcgtg tcattttttt taatttggtta ttgtgtacat tagtaaaatt taactaagaa 120
aatctaattt aaattttattt tcaaattttc tatcaaatta aacacttcaa aaacatgacc 180
agatacaagg taagattcac tcaactaaacc tccaaatttg cctactcagt ttcttcagct 240
caggggtcaaa ctcatctctg aaatgacgcc cctgctgaaa tcaaataata ttctgttttt 300
ttcactcaga tgtttgacct ctttcaaaag tctgacccaa cttaagcttc cggggaaggg 360
gtttagtata tacgatattt caaattagtt ctagacgcgt cttactataa tagtaagctt 420
atacaactgt gtc 433

<210> 24648

<211> 393

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 24648

agcttgagat gtggaagtgt tgaagggtga aacttctgc ttttattgtt gaccacagag 60
tggtacctgg agatatgtcg cgggggtcag gagaccttgg ggacgtcagg tggggtgcta 120
ttgccccaaa ccaagcttga ccaatcccgga cccaaccgg gcatagtcgg tcagtgagaa 180
cctgtgatgt acctaagcag gcgagctcct ggcagtcaac agataaaagg aacaaagacc 240
acaaagcatg gaggcttgtg gtggctggcc agctgtgaaa cttgattgat atgtgagata 300
tggtctctgg taatcgatta ccaagggtgg gtaatcgatt acaaggctta naagtgaaga 360
caggaggcta agatgggtctc tggtaatcga tta 393

<210> 24649

<211> 426

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 24649

nttcacaaag tttatggtaa aatctaagac ctagccatgg cagatgtctc cacagaggct 60
attgcctccc tcgcctagta ttatgaccag ctgtcatacc ctaatttcat ccggagacca 120

tcgtttgatg gcatgcaacc ttgtcttgac cgccttgagg tacttaacat ccatcgttag 180
gtaatccgca aacttccgcg acattccgaa agtcaaaaag aggcattggt gcgcaatccg 240
taaagttccg cgacatttcg gaagtcaaga agagccttgt tgcgtaattc gtgaagtttt 300
gcaacattcc ggaaaggaaa caagtatcgt tacgtaatcc gtaaagttcc gtaacgttac 360
agaaaaagaa tcagcaaaaa aagcaaaaag ggggtgtatt tagtaaaatg gggagtgcaa 420
gtagca 426

<210> 24650
<211> 406
<212> DNA
<213> Glycine max

<400> 24650
agtttaacag gaattttgcc ttctttatct gtgacatatg tattgtctcc cctgtaaatg 60
tttggcattc tatgtcaatt ttccaaagta aaaaacaact tatcaatcat gaacacagca 120
tatctgagac agtatatgaa gaaaatatcc atgaaactga agtttaaaat tgaaatacaa 180
taattaaagg gtcaataatg aattacagaa atgatatctc catattaaaa aaaagaaact 240
taactagtgc cattttagag gtaaacaaag aaaaacacat tttaacgcac tgtttctctc 300
tgcttccctc cccaagcaa aataaaaggt gtaacttttt ctatgaagaa atatgcatgg 360
taatctgttt acagcttatg cttctaagca ctactatgat tccaat 406

<210> 24651
<211> 403
<212> DNA
<213> Glycine max

<400> 24651
tcaagcttcc taataatgat gaacgactat caacatagct cctatatata tatagtctta 60
tctcatatag ccctaataatc actaataact aatttttaac attctatcat tcaaaagtat 120
ttctacagaa ataatgaatt aactttcaaa tattttacga ccatattgtg aaattgtgtc 180
taaaatcttt atttcatctt ctaaatcaca aaaatgataa taaagttcaa aactaattgt 240
taatcacgat aagaatcacc catgagggaa aaaaaacctc tataaaggtc atttacatta 300
aaataaactc agagataata cagattatta taaaagataa attctatatt ttaaaatcaa 360

aaggaggtgg cttaattgga atgcaaataa gacacgactt tac

403

<210> 24652
<211> 385
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24652

agtgtgcgna tttcatcaga ttccaaaact atcctttatc gagaaggact cgtgagagag 60
aggataccat tttttttttg tttttacttt tgaagcatag ttgataaatt tcgtaggcag 120
gaggtacatt tggccaatca ttacaggaaa gaaatcattc caatggcatt gttgatttca 180
aacaagctct cacaaataaa actctgtcct ggaactacac gtgtcaactc tctctgggtta 240
ttgacctttg tgtaggacag tgtaaaaacc aatgtgttaa ttcttaatga agcaagcgta 300
cgtgtgacgc gatcagacat cgtagaattt tcttttgatt acgcatagct acagggtaat 360
caacagcaac actcgcatgc caagt 385

<210> 24653
<211> 336
<212> DNA
<213> Glycine max

<400> 24653

tgctttataa tatgggaaca cgccaaagac aaaaggcgta aatccctcca taaacaggta 60
aatacaacia caaccaagct tttctccact acgtgaagtc aaacaaagcc ataacgttgt 120
gttggaatc aagcctatac attatctaag ccttcctaca tctctagcaa ttagcgcacc 180
ctccatctga tctacaatac ttaatggggg ttcattaagt cttgtacacg catgccctaa 240
ccacctaaag caagatttta ccatcttttc tacaacaaga gcgctacccc aactttgcct 300
ctaaaatagc ccaccccccc aacatcgctc tcataa 336

<210> 24654
<211> 399
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24654

agtttagcat gctttgctaa gcctaactcg cataaaaaata ttttctggat ctttaggcta 60
 agcgcgagtc agttgcgctt agcccatgag taaaatttta taaggcatgc taagcccagc 120
 ctgctgcgct aagcgccctag ttcaattttt agttttattg aaaataaccc taattaatct 180
 tgttgtttga tcatatattt ttagatggca tcaaagaaga gaaaggcacc tgccacacct 240
 tcccaggctc gatatgaacg atccaattca cttctccga ggctgngaa aggtacacta 300
 acattgttgt acctaggaag ctgcttcctg agcggaatgt ggtaatctac cacattgagt 360
 ttggtgagtt caaggaagaa ttggagagaa gaaaatggg 399

<210> 24655
 <211> 426
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24655

tatgcgcata tttccttacg aacgtttctt tgcacttgac attctattaa ctaagaaaaa 60
 tgcaccata tacaatcaag gcagcttcgt tacctagatt atttcatgt acttccaagg 120
 tgtatttggt acttacatca cacacatctc cttggctaaa ttacatata tgcatactca 180
 aagcattttg ggggtaccaa aattgcacat gtgcacatct tggatttcct aatacctata 240
 catacaciaa cttcatgatg aatcttgact atctacacia taagggtgta cattccatgc 300
 tcttttcaag tttttgctac cttaaagccgc atgcaaatec aagtatattc tcctttgctg 360
 actaanattg cattcaaatt aaaggggtata catttctctt gtgatgtatn tactttacat 420
 aacatg 426

<210> 24656
 <211> 313
 <212> DNA
 <213> Glycine max

<400> 24656

agtttttagc caaatggact taccttgaat taattccttt gatagccctt ttaagccttg 60
 tttccccttc cttgttttga agctcactac aagccttaaa tgaaaaacca tgatattacc 120
 atatctttta ggaatttttg agctttggaa ttgttatggg aataagtgtg ggggggtttt 180

ttttgttaca ttggataact tgttttgttg gctatgcttc gtgatgtatt tcggggccata 240
 cttgatgtac attggatatt ggttaaagt tggacatgct gaataaaatg tagtttctca 300
 taggttatat tct 313

<210> 24657
 <211> 528
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 24657

tcacaacgca cgcataatga ccgaacatgt taataaagta atantaaaaa aaaagagann 60
 nanttgance ttgatgcctc gatcacacag gcgaaacaag ctcggaaccg tagatcctac 120
 acaggcgacc tgcaggtatg caagtttgat aacattggac tgagcaaact ccgtgatgaa 180
 atgggaatct atgacaatga gcttggaccg gacatggagg gaagggacgc tggcaaagct 240
 tatagtagat ttattatcac aaagcaacag cccacacggc acatcaaccc ccaagagaag 300
 aagcatctgc tataaccaa caactacact agcatgaaca tagctggccc aatcaacatc 360
 acaagaggat atgaccccg gagagtcttg aggtgggaaa aatacacctc gggtagcagc 420
 ataatagaga tatgcggacg atgaggacaa catgcagcga ggactctacg tccttatata 480
 tgacgcaccg gatcaaaca ggtgactcag gacgaaaagg ggaatacg 528

<210> 24658
 <211> 398
 <212> DNA
 <213> Glycine max
 <400> 24658

agtttgtgaa tcaagtttgc tctggacgac catgcactat ttttttcttt tatttattag 60
 taatgataag gaacctaaca tgcaggttga ggtggcgac attgcacaag atctcagaga 120
 cataagacac taattctttt cttttatttg tagaaaaagt caaatttgag gatctaacca 180
 atatgtgata tgtttctata aatacagatg aataaaaatt aacgcattta tgtagattcc 240
 agttagtagt tatactagct actggcaccg aatgacataa agaaaaagga attatctaga 300
 agaccattct atattgggta gcgaattttg aatccctgca ttgttgcttg cttgttcaca 360
 caacatgatg ttctccagct ggactgttgg cattattt 398

<210> 24659
 <211> 426
 <212> DNA
 <213> Glycine max

<400> 24659

tggcaagcca gagtctcttc ggctggctct ttgcttggtc ataatcagct gccggaataa 60
 gtaggcacca ccattcaata ccattataga gaatcaaata atatatatat catcagaata 120
 aaattaaata ttttctattg ataggaattg tatataagca ttaagaaatt tataagactt 180
 ccgcaccata cttaactaag ttataagaaa acctattgga tgcttttttt ttgggtgatag 240
 gaaatcggat gttgaagttt aaatgaaaaa aagtaaaact ttctcatatt attgggttagg 300
 aacattaatg gtgtaaattt taataaatta cgacatacaa caacataaat aataaaaaac 360
 acttgtaaaa ttatatcata cgctgagata atcaaattcg ttgagataac taaaaaaca 420
 tagatt 426

<210> 24660
 <211> 381
 <212> DNA
 <213> Glycine max

<400> 24660

agtttggttaa ttagcactat tagatgcaaa ttcaatttgg ggtgggtgtc atgacaggat 60
 aatttccttt gccaatatag ataattacat actaattact attagttaag ctgagagagt 120
 acatagcttc gtgtggctta ttaagatcta gggtatactc tagctatgtt attctagaat 180
 ctgtctattg ccaaggcaag agcaaaacct ttacgttata aaaactacta attggacttg 240
 tcatgcacaa tttttctttc aataattttc atttgcaact atacattaca attgagagaa 300
 gttcgtgctc tttaaaatga catataagag ataaagatct actggtgaag aattcttgtg 360
 atgtaaaata tggatataac a 381

<210> 24661
 <211> 250
 <212> DNA
 <213> Glycine max

<400> 24661

aaggaaatca gttaatttca atatttntaa aatcagaaca ataataaaag aagtga 416

<210> 24664
 <211> 403
 <212> DNA
 <213> Glycine max

<400> 24664

agtttgtctt gttcagaatt aggatacaga gggcacaaaa tttttaacaa caattccaaa 60
 gcacaccata atgcctatct ttcgaggaaa gagctttgga ggcagcaaga ggagcagctt 120
 ttgcagagag acctagggtt tgtaattaga gagagattag tgagttgtag aataattgtg 180
 agatgctgag aagaggagta gggatccctc ttcttgttta aggaataatt attctatact 240
 cttaatctca tttgtgttag ggtttttctg tatggctggc taaacactct tgttgggaat 300
 ttctatggaa cagctgatgt aattacttta atatctaatt gattgtgttt cctatgttca 360
 atgcttcttt caatgcttaa tttctacatg ctcttgggtc gat 403

<210> 24665
 <211> 434
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24665

taactcatcc aaacatggca agttcaacat gctttttcaa atttcttcac aaataactat 60
 catgaagcag aaaactagca aaactaccca tcatatctcc caaaacccca taccacgaa 120
 aatcaagaga gaaagaagtc cacccaaacc tgaaatttcg aagtcacaca cgtagagaca 180
 cgtttcacga ctccgaaaat gtctctcttt cgcaatttgg agcagaaatg ggcaccaaag 240
 gttgaagctt tgttgggcaa caatggtgga tgagagaaaa gaagaagaaa gctgctgag 300
 agagagggag agcttctgaa ttttcttttg gctgagtgag gagagagaac aacttttgg 360
 tntaaaaaaa agttttctct tttctatta tttatntaa gctatgccat gtgtctccat 420
 ttgagtggag caaa 434

<210> 24666
 <211> 406
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 24666

agcttgctgc ttcattgaca gatttactta aaaaagaagc attcaagtgg acaccagagg 60
cagagacaac atttgttcaa ttgcagaaag tcatgacttc agtccagtg ttagctcttc 120
ctaatttcca gctgcccttc attctggaaa ctaatgcttc cgacactggg attggagtag 180
tattacatca gaatggccat ccaatagcat ttttttcaa gaaacttgca cctagagtgc 240
aaaagatatc tgactaattt agagagatgt tagcaattgt tgaagctata gctaagttca 300
gacactactt gctgggacac aaatttatta tcaaaactga tcaaaattag tcagatgatg 360
atgttgatgg atggaacaac cncctacagac acctgaacaa caacag 406

<210> 24667

<211> 411

<212> DNA

<213> Glycine max

<400> 24667

tgtgagacct tccgctacaa tgttgaagag aaaaggtgca aggtgatcac cttgccttag 60
acctctctta ggagtaaact ccttagatgg actccatta attaaaatgg atatagttgc 120
agtattttaga caaccattta ttcatttcct ccagctttca caaaatccca tccttttaag 180
catgtagtca agaaaacccc aagaaaccga gtcatatgcg ttttcaaagt cggctgtgaa 240
gaccatgcaa ggtttacttc tagatttggc ctcagctata gtctcattgg caattaaaac 300
accatgaaga atgtgtctcc cttcataaaa agctgtgtgc ctttcatcta taaggtgagg 360
taatacagca gccagcctct tggccaaaac tcttgccata atttatagac a 411

<210> 24668

<211> 403

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 24668

agtttgcttg tggggcttct atttaggctg catatttgag cttcaatgag gtcctttaat 60
gttgattttc caccatggag atgcagcgga agacaaagga aaagaggtga gaggaggcgc 120

caaccactag ggaataagcc atggaagaag gagcttcacc accaagatga gccttggata 180
 ataagcttgg agaggatgct tcaatagagg aaaagaaaga aggagagaaa gagagagggg 240
 ggatcatgaa attgaaggaa gaaaaaggga gagaatttga actttgagtt gtgtctcaca 300
 agactctcat tcatcanagt tacaacaagt gttacacatg cttctattta tagactangt 360
 agcttccttg agaagttttc atgagaaaac ttccttgaga agc 403

<210> 24669
 <211> 407
 <212> DNA
 <213> Glycine max

<400> 24669

tgaggataag aatcctggtg caccaaaca tcatgtagc aagtcaaag tgaagaaaca 60
 acattgacaa ctgaagaaaa gaacacaaaa aacaagaaaa taaggaggga aagaagaacc 120
 tcctcttctc ttagtttaac cttttgggtt ttctacttca tagtcatagc tgagccatgc 180
 attagcgccc cctaacacac ttatactcta gggctaaaat ggtttcaacc attttgttct 240
 ttctgtaagt gaagggtcag tggtaacctt tgggttcaaa acaaggctag atagggttaa 300
 cccttaagcc aaaaccaca tcgacaactc tacataaaaa gagccaacat atatgagaaa 360
 taagaacacc taagcaaag taccagctga gcaacacacg aataaaa 407

<210> 24670
 <211> 388
 <212> DNA
 <213> Glycine max

<400> 24670

agtttgaaca atcttagaga gctgctagag aactgctat cactactgga atacacacgc 60
 gatccactt agagataaga gatgagttta ttgcaattga ggtagagtg aatatgtgta 120
 gggatcctta gagaatcaaa ttgggaataa ttttggggcg ttatatgcgt ttttaattttt 180
 catgtacaat tataactaca aattgactgt atttgacaga tcgattgacg tcccgatgcc 240
 gaaattgttg tgaaattgat atgttcttgt gttgagtgtg aaccgagaa attggaaatt 300
 ttctaattag cgtgaattga tgaaattaaa taaggaaaga tttcccataa gagtgaagata 360
 ttgattctgt atttttccct ttctgtgc 388

<210> 24671
 <211> 399
 <212> DNA
 <213> Glycine max

<400> 24671

tattcaacgg acctctagtc actcaatctg ccaacctaaa caccatccc taacgtgttt 60
 attatgaaag taatttttagg aaagctcatt cttttttggt ttaattaaac cgtggagggt 120
 atagacaggt taaataagtt tcaatagttc atttagtttt ttgaaatata tgaattcttt 180
 caactacgga attgaatgct agctcctgca cctatgtact ttgttactca tagaaaacat 240
 tgttctatat tcttctggta aattctgttg gtatgtagta ttttgtatct gtctgattgc 300
 tttacctctg ttttgttcat atacaggac ttgagaagta tgttctgaca aagttatttg 360
 ttcgtgtatt tgcttcactt ccagatgtat ttgctcttg 399

<210> 24672
 <211> 398
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24672

tgtcttttgg tatatatagg cctccttcaa tcaagtattt gttgcctcta aatggacata 60
 tttcgtctct taagctttct ttttaagaaa atggtagtta gggcattaaa tgtgtgcatt 120
 taatgcatgc acttcttcat gttgagaaac cactcttcgt ccttggcatg ttgaacacta 180
 catcaggaaa ctacttcctt ttacgttaga gtaggtttgt gcagtagaac ttttcttttg 240
 atggcgatta aggaatttta gaacttggct tcattcatta ttcataagat tcaacaggct 300
 ctaggagaat gtatttgcaa aatagatctc agacacaaaa tattaataaa agccttaaat 360
 gtcattgtta atgtcgtatc ngatcatgat tctatctt 398

<210> 24673
 <211> 184
 <212> DNA
 <213> Glycine max

<400> 24673

tctgaaaaga gtatgatgaa ctaatggatg tcaatttggc caccaatgaa gccttggatt 60

gagaaaccca caaggctcta aatgaagaac acaaccataa caaagttttg aggggcttta 120
tagggcagca attgtgagct catactccaa ataggtgaaa ggaatcatca cgggtcaaag 180
gcat 184

<210> 24674
<211> 392
<212> DNA
<213> Glycine max

<400> 24674
agcttgagtg agccaccata gagtgagtca attttgtaa cacatccttg taaccctact 60
atcattttgt atagtggaag aatctccata ttggagaatt ataattgtgt gctcccat 120
ttatctttta ttactaagtg tctatcttaa cttcacgaag cgggaaagtc caagtttttc 180
caacactttt tactagtgc ggtacaatga gaagtcacat acacaatata ttaaatactt 240
ggtaggggtg gttctaagga agacactaat tgtacatcta gagggttcg agcatcactc 300
attatttcaa ctggttcaca aagagcgaca tcagtgaat aagagctgag gtgtcagtgc 360
ttgctgacac accattagta ttaataataa ta 392

<210> 24675
<211> 427
<212> DNA
<213> Glycine max

<400> 24675
tgagctcggc ttgagttgaa tacgtaattc ttgagctcgg cttgagttga atacgtaaag 60
cttgagttga cataggcttt ttttaaggct ctgctcgact tacataaaag tctgacttac 120
gagcctatctt aaaagcttgc ttaaagacgt cttttattaa ttaattattt taaaacctag 180
tgaaatacta actaaaaaaaa gaaacttata aaatttcgta taaataatgt acaaatctaa 240
aaataattga taaacaaaat tatattgaat tcaagtcgtt aaagcacaaa gtatataaaa 300
aaaataaaaa tagcataata ttaaaaaatg tatggattag agatgattta cactaatata 360
gccaaacaaa aattattatt agttaaatca acaattttta atccaatttt ttttaatatat 420
aattata 427

<210> 24676
 <211> 399
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24676

agtttttgca gcttcataaa gcttttggac taattaaatt aatactttca aaattaaaga 60
 taaatatttc atatatcatc atttttatat ttttattatt ttaaaaatga ccataatatt 120
 tttatgtaaa tttaaactagt tttctagggtt tttaaccata atatatgtat ttttcaaaac 180
 ttccatttca aagaaaataa tatttattat tttaagttca aaactcaaag aggaaaaaat 240
 gcatgcaaac aaattcaaat aataagtatt ggctaaaata tttttattat gaaattaaat 300
 tttttaagga taaataattt cattntttgg aatatttgat attttgattt ttatttgatc 360
 cttanaagta acattgtaac aataaaataa tattttttca 399

<210> 24677
 <211> 426
 <212> DNA
 <213> Glycine max

<400> 24677

tggagaggat gcttcaatgg aggaaaagaa agagggatag atagagagaa ggggggagca 60
 cgaaattgaa ggaataaaaag agggagagaa gtggaacttt gaagtgtgtc tcataagact 120
 tttattcatc aaagttacaa caagtgttac acatgcttct atttatagac taggtagctt 180
 ccttgagaag ctttcttaag aaaacttctt tgagaagctt ctttgagaaa acttccttgg 240
 gaagctagag cttagctaca cacaccctc tcataactaa gcacacctcc ttgagaagat 300
 tactaaagaa gctagagctt agctacacac acctttctaa tagctaagct cacctccttg 360
 agatgagaag ctagagttaa gctacacacc cctataatag ctaagctcac cctatttcaa 420
 aataca 426

<210> 24678
 <211> 512
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24678

gatgagannn tttgaagcct tgattgattt gatatagcaa cgtgcaagta cagctcggaa 60
 cctgtggatc ctatcgagtc gacctgcaat tatgcaatgt gtctcgactg ttttacaagt 120
 gaagagaact acaggttaca ttaattcctt gacatatgaa tctcggacgc tagtcgctga 180
 agctatatgc attatagagc gtcgagattc tgaagacgca cttgacagcc tcaacttaact 240
 tactaatgaa tagataacat atcgaaatct tcttttactg acaagctcgt aacagaaacag 300
 ggaggtagcc aagactcgcg atttttgtac cacatatgca atatgcggac taattttctca 360
 tattgatatt cgagtctgct caaataatgt cagagttctc tgttactgc aaaacttagg 420
 tagctgctat gtctagatga aacggggatg ttgcatagct taatttgcca ctgatccaat 480
 ttcattgtact ggtggacggg ctgaaatcca cg 512

<210> 24679
 <211> 388
 <212> DNA
 <213> Glycine max

<400> 24679

agtctttgac agaaaaaatg gcttgttgcc agaaaaaacc catatggatt gatgatttgt 60
 atggttcata cagattacca atccgtatgg gttttattta ctttataaaa ttatttttaa 120
 ttttttttcc ttttattttt ggtaaaaaaa aatttagtta ttattaaaaa taattattgt 180
 tattattaaa aaaatttagt tattattaat tttttttaa agtttatttt gtgttggtggc 240
 catacgaatc actaatctgt atggtatttt tttaaatttt tttattaatt caaaatgata 300
 aactgaaatt tttttttaa atttccatat ggatcactga tccgtattgg tattttttaa 360
 attaaaaatt agaaactaga aattatgt 388

<210> 24680
 <211> 414
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24680

tgtgtatntt gatattaaaa atattaaaa atggatttta cgactgaaag caaatgtaga 60
 tcaggaaact cctgtgtgtg tgttaagtgt gtggtatgat aatatagggt tagtggtcaa 120

gtagataggg gatgggtgaa tgctctccta gaacctatgt gtttgaatcc tgagaaaaac 180
catgatttcc ttgttagccc agccacgtta caagccttat aaaaatatag tccttagtga 240
tccattttgt gtgcacgcta ttgtgttgaa tgagattatg tgcaaattca aaaatggtaa 300
cttcaattgg tttgaatgaa atacacataa ctgaaacact tgtgtgcttg agagaaacac 360
tagccttggtg aggagtgaag cacggttgat cttctttgat tcctgtcata cttg 414

<210> 24681
<211> 388
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24681

agttttgagc aacttcaaac aacaacaact ttttactcgg atgtctgatt gagacccgta 60
atatatccag acactcgaaa ttcaataccg aagctctgag caaattcaaa cgacaataag 120
tttttactcg tatgttcgat tgagtcccgat aatatatcga aacgctcgaa attgaagacc 180
gaagctctaa gtaaattcaa acgacaataa ctttttactc ggatgtctga ttgagtcccg 240
taatatctcg agacgcgcgg acttgaatgt cgaagctctg agcaaattca aacgacaata 300
actnttttcc tcggatgtcg tattgagtcc cgtaatatat cgagacactc gaaattgaat 360
atcgaagctc tgagcaaatt caaatgac 388

<210> 24682
<211> 408
<212> DNA
<213> Glycine max

<400> 24682

tcaacattca atactgagcg tttcgatata ttactggact gaatcagaca tcagagtaaa 60
aagttattgt cgtttgaatt atctcagagc ttccggtattc cagtccgagc gtctcgatat 120
attacggcgc tcaatcagac aaccgagtaa aaaagttatt gtcgtttgaa tttgctcaag 180
gcttcggtaa tcaatttcga gcgtctcaat atattacgga actcagtcag acaaccgagt 240
aacaatttat tgtagtttga agttgctcag agcttcggca ttcaagtcct agcgtctcga 300
tatactacgg gactcaatca gacatccgag caaaaagtta ttgtcgtttg aatttgctca 360
gagcttaggc attcaatatc gagcgtttcg atatattacg ggactgaa 408

<210> 24683
 <211> 406
 <212> DNA
 <213> Glycine max

<400> 24683

agtttgtaac tttctcaaaa ctctcaaca ttgccttaat gaccctcaca ttttgcatg 60
 atgcttcacc aaagaaaatg gtatgatctg catatcacag gataactaatt tccactgagc 120
 ttcttccac caagaggcct ttaaactgat tttttttaga gcttctctca ttagaccgt 180
 taatccctca gccacaatat tgaacaggag tggggctaac agatcccctt atctaagtcc 240
 cttttgaggg aaaaattcag cttaaaggact cttattgatc aatatggaga caaaagctga 300
 tctaagacat cttttgaccc aagtaatcca cttagggtag aatcccatcc tctaagcat 360
 atataccaga taatcctcac taactgaatc atgtgccttc tcatag 406

<210> 24684
 <211> 346
 <212> DNA
 <213> Glycine max

<400> 24684

tagcgcacac ctatgcgcta atccaaaaga cactgttata ctatttgccg gcttactgtg 60
 ctccctgcgc taagccctaa tgcccttcat atttgtggtg tagcaagctt ggtgcgtgag 120
 gcgcgctaag ccaactcata aataaatggt gttacaccta ggcttagcat gcacgctcgt 180
 gctaagcagc tattcccttg ggcaagtttg ttgattgcct gggctaaaca tttctcatgc 240
 gctaagccca aaaacggcat tgtcaaacta ttgtcactta ttgggctttg cgcgttctac 300
 gcactaagcc ctaacaattt aaggctttat aacttttgat ttgggc 346

<210> 24685
 <211> 398
 <212> DNA
 <213> Glycine max

<400> 24685

agcttaacat tcaagaattt ctttgatctt ttgtgttctt cacattccac ccaaagatta 60
 tgtttgctca ttatgaggtc ttcataatgc ttgtctgctt gtgcacattc tctctgtaga 120

tcattgtcttt cttctttttc ataatcatga agttcattaa gctctgtcag atccttttga 180
 agatctttca gtttgcttta caagtcttga aagttcttta gtagattttt ccttggaat 240
 tatctcattc tcaagacata gcttggaactc ttttccctta agagttccac aggctttaca 300
 tgtctgagtg gactcatctg gtgaaacatc tacttggtct tgaagggttc tctcaagttt 360
 aaaatgatct ttgaatagtt tttttgaaat cttttcac 398

<210> 24686
 <211> 432
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24686

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 tctcaatttg atctttgact ctctcatgaa gcttcttcac atagtccgcc tttgcttgac 180
 cttctttatg cttaaaaaca gaaacattag gcataggcaa aagatcaaga ggagttagt 240
 ggttaaaacc ataaacaact tcaaaaggag aacaattagg ggtgctatga acagctctat 300
 tgtaagcaaa ttcaacatgg ggtaacaag cttcccaagt ttttaagttc ttcctcaaaa 360
 ctgtcctaag caaagtttcc aaagtcctat taacaacttc tgtttgccca tcggtttgtg 420
 ggtgacaagt gg 432

<210> 24687
 <211> 405
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24687

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 ttacttttcc tatttataaa agttaatata tgtgttttct atttaaatat ttttgagata 180
 aatagcaaat acatttatga aattacctt tcaagttaag tcttattcaa cttaaagttt 240
 aaatccatgc taattttgtt ttaaaaagtt cagcagacta tacaccttta cagcattttt 300

agcataacat gtagaaatat ttgccaatta gtaatatctc tattatttta aaagatagta 360
atattntaaa aataacttnaa agtgtcaaat tattaattag taaag 405

<210> 24688
<211> 428
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24688

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ttcacaatga tccaacggtc aatgagtcgt taatcatagt tttattgaga caaatttggg 180
tgtatacgaa aaaaaataag attttgggaa agaaagaatg aagaacattt gagagaaaga 240
gaaagcgtat agatgtattg taaatgtaaa aagtgcctg atatgtctct atgtatagtt 300
aggttattct caacctatta tatactctat gtgctctatt ctattatttt ataagaatga 360
attntgattt tactccctat caaataaata aataaaatat catcttctat tttctaagaa 420
tatatatt 428

<210> 24689
<211> 404
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24689

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tgctgatgga gttagctcat gcatttaggt accatcaaaa tatttaaagg taacggggcaa 120
gaaaaaataa tagcaactgt gtgtacattc tctcaagcct tctgaaatgc gcgggaagaa 180
accccatgca gaagcctgac aaatcccaag aaactaagct ttccatctga gtgccttatt 240
caatcctgaa gtactacatg aacaggtact gatggactaa gcccaagttc ctgaaacgtg 300
tcaattgtaa agagctcagt accattatac atgtgatgaa ggattatact atatgcattc 360
gatagaaaat ctcattagag gtatatctat catgtngata aaat 404

<210> 24690
 <211> 438
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24690

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 tcacaaagac ttaatcctca tgacagagaa gcttaagggt aaagtccct tgagggtggt 120
 gaaggccaag tgcaaaacgt gcaagccaga gataatattg aagaaatccg ggagggaggg 180
 agcctatgat gttggcagag ttggcggaga agttctgaag tttggaagct tctcagagag 240
 tataaggaat ctccaagcc tgatttttct gccctgaaag atttgcaagt tttgagcttg 300
 agtcttaaca aactcactgg tccagttcca gcttctttgt tgggtctttt gtggctcaaa 360
 gttgtgaatn tgaccagtaa cttgtttcac gggccaatgt ctgtgtttgc tcattgngtc 420
 gaggtggata atgccct 438

<210> 24691
 <211> 394
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24691

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 acaacaggta ctttactctt agtatatgtt tcttcttttt aaattaattt atgcagcgtg 120
 cctcaaatga ggccatttaa ctttgtttca tgaatagata gttgtgtctc tgccaaaacc 180
 acctccaaag cccgatcagg aggtcaatga tccactttat ctaatgacat tgaccatccc 240
 agagcttttc ttgaggcctt atcaggttac atgggatgcc accgtgtttg gggctctttaa 300
 tccaaatttc tcgctctaca taaaacacan agacctctcc ggaatcgcat acgggtgggtca 360
 atgtctcagc atatcaggga ccagctagag gagt 394

<210> 24692
 <211> 421
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 24692

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attgaactga agaccatgac cgtgttaggt ctatttctag aactcgtggt taggctaagg 120
accttttttg gtttctgggtg caaggattgg cgaagtgggtg gtcacctgag gtacatttga 180
ctggtagtac gtggtctttg tggtcagctg aggtacattt cacctgaggt acaatctcgc 240
cggcattgtc gctgttggtg tcgaggtaag cttcatgtct tcattgtaac tttgtgcttc 300
cgcgtagctg gtctttgtgc tctttgttct tatagattgt tagttagttt cttaattagt 360
tactactact agctaggggt tggaatgcan gtagtcttgc tcggaaagct gtataaaaat 420
a 421

<210> 24693

<211> 397

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 24693

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tgcttttgct gggattttta gcttccatag gtccaccaat gcctcatcca aagtctcttc 180
tgctgtttct tcttgcagca ggtgataagc actccttgta aagtaatggc cactgggttc 240
tggttttcat atccagcagt ctgttatttg ttgatggttt ggctcccat ttgctgaatg 300
actctttggt gttgacagga tatttggtac aacctgggat attntgtcat tagtgcttcc 360
cctcctccag tccatcgatc ctactcaac atatttg 397

<210> 24694

<211> 397

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 24694

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agtgattctg aagttaaaac tgatcagcaa agcatggagt caactgacag taatgggaaa 120

acaggtgcag attttggaca tatgccagaa aaatggaaag gagtcaaaag acagattgag 180
aaggtatttg cttttgatat ttcacccgta ttgctcttaa tactgtgata ttattggtat 240
gacactttaa acaagtttct tcttagtagt ctattatcat tgcttgtttg tgcaggatct 300
gcctcgaaca tttcctgggc atcctgcttt ggacgaggat ggtagatatg ctttgagacg 360
attacttact gcatatgctc gacataaccc ctcagtt 397

<210> 24695
<211> 399
<212> DNA
<213> Glycine max

<400> 24695

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atgtacgtta tataacttgtt ataggaacct tataattcta agtatatata gttgtagtat 120
ggagttctgc ctttaattgca taggtagtat gggtgtttgt gatttcttgt tcttagtgat 180
gctaatactc tatagttgga tgactcatat caagttatat ttcataagga atactctttt 240
gatcgtaacct tctaattcta gtgcaacctt tttttttttg tgttgcggtgc ttaagtcaaa 300
taaattgagt tcacttgaaa gcctaagtat aattaattct atgttatgag actacatcac 360
acaattggat cactgatggt tctatcacia tcaagtgat 399

<210> 24696
<211> 418
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24696

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ctttggatag ccttctatta gcattggtca gaatatcagc cagttgatct atggcaggaa 120
catgaacaac attgagttgt ttggtgagaa gtttctctca cacaaaaaat aaatccagct 180
ccatatgctt ggttttttgag tgaaaaacag gattatgagc taatgaaaca attctggtgt 240
tgtcacacaa aataatagga gtagtgtaag ctacttggag ttcagaaaga agagactgaa 300
tccaagtaac ttctgctgca atacgagcca tgcttctata ntttgctca atactcgacc 360
ttgcaacaac tgattgcttc ttagaccacc aagagatgag tttatgtcca agaaaaat 418

<210> 24697
 <211> 400
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24697

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 tcaagggttg agaagtgaaa ttgagaatgg gataaatttg aagcaaactc tcacctcaca 120
 ccagtctata acatcaattt aaacttggtc aaactggatt tacacctaaa attttgccgg 180
 atcaaaattt gactcctcaa cacctaaatt taccctagaa atggctcttg ttcactttgg 240
 tcatttggtt ttctctctag cacaacccan actttctcat aagtcctaaa tgcattttca 300
 agctaggatc aactcactct aacctccaaa taccactaaa tccagatttg accttccaac 360
 tctcagagtc tcactctttn tccactcaca acaccatact 400

<210> 24698
 <211> 426
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24698

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 gttgacttaa ttaacatcgg ttttttcaaa acccgatggt aacattgatt tcttaatat 120
 ggttttgaaa aattgatgtt aacatcaagt agttaacatc ggatattgaa acaccgatgt 180
 taactttaga aagttaacat cggtttttaa aagaaccgat gttaacattg acatgttaac 240
 attggttttg tttaagaaac cgattttgtc tcattcataa gttaaaaccc caaaatccat 300
 tcccccccat gcgatcagtt accaaaatcc tttctccctt tcttctcat cgctcacgct 360
 cgaaagacct atgtgtcttc ctactcaag ctgccgctga ggttcgtgtt caggttcgca 420
 ctggct 426

<210> 24699
 <211> 395
 <212> DNA
 <213> Glycine max

<400> 24699

agtctttaat gttgatgata tatacactct tgtgaataaa ttttataatt taatttttag 60

tgaacaagag aagattagtt taaaatttca acttcaacat tttattgtgg ttactcctac 120

taatcagatt taaagaactt gtccacaatg cttgaattgt gtcaattatt gagacctcct 180

tcaagctacc attgcactac attttttttc taattataca aaatagcttt aaaaaactac 240

ttattttctaa aaaatctgcc acaaaacatg tccaaaaaaa acatactgat gactgaacgt 300

cttgaggcac agatcgataa cacagcatgc aagcgaaaca ccaaccttca tcagtaacca 360

agtggcaaaa attagtttct cttgttcgct tatatt 395

<210> 24700

<211> 315

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 24700

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gaagttacgg tggcatccac acgcggcgca cgttagcgag cgcgggttcgt tggggttgga 120

gaaagaggag ggcattgaact caccgcaccc atcaagcgcg tggccaccaa tgctggctgc 180

atgggttttg aggcactctt tgtaggcaac cgccgtagac ggtggctgnt gcggcggtga 240

cacggtgggtg ggggtggatg ggtgatggtc cttgaggag cggttgggtg tgaaagggtg 300

tgggtggggtg tcgac 315

<210> 24701

<211> 380

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 24701

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tgtgccatca ttttcttcta ttttctatac ctttttagca ccattttaat tactaattgg 120

tcttaattgt caattaatta ggcagtttta ttatttgggc tcatttagct aattagatgt 180

ttttaatcta atttcaggaa ttaatgaaac attggactta atccggattt tggttgtgga 240

cttgaagagg gcaaataaag cagcactaac cttagttaat ttctaattag gaaatttcgc 300
aattntatatt tatgtggttt agtggtttatt ccgttttggg ccagagtatt gtaatatggc 360
ttagtgactn tgagtgactc 380

<210> 24702
<211> 410
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24702

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tgagtgagag tcttgtgaga catacttcaa aggtccactt ttctccctct tttattcctt 120
caatttcgtg cccccccctc tctctttctc tccctcttct ttttccctca ttgaagcatc 180
cttccaagct tcttatccaa ggctcatctt ggtggtgaag ctcttctctc catggcttat 240
tccctagtgg atggcgctc ctctcacctc gtttccttgg tcttccgctg catctccatg 300
gtggaaaatc accattaaag gacttcattg aaactcanag atccagcctc catagaagcc 360
ccacaagcaa gcttccatca tctctctctt ttctcttgtg cctccacac 410

<210> 24703
<211> 387
<212> DNA
<213> Glycine max

<400> 24703

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acaatagcat cactcctggc actaaattgc tgggagtttg aagccatctt ctgaattaaa 120
tttctggctt cagcaggggt catgtctcca agggctccac cattggcagc atctatcata 180
cttctctcca tgttactgag tcttccacaa aaatattgga ggagaaactg ctgagaaatt 240
tggtggtgag ggcaaatagc acataatatt ttaaattctt cccagtattc atataggctc 300
tctcctctac gctgcctaatt gctgagata tcttttctga tgaatgtggt cctggaagca 360
gggaacaatt tttctaagaa tactctc 387

<210> 24704

<211> 421
 <212> DNA
 <213> Glycine max

<400> 24704

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ttcaacaaga gtcttcacaa ataactatca tgaagcagaa aactaacaaa gctacccatc 60
atatctccca aaaccccata cccacgaaaa tcaagggaga aagaagtcca cccaaacctg 120
aaattttcaa gtcccactcg tagacacgca cttcacgacc ccgaaaatgc cctcctttcg 180
caatttgagg cagaaatgat ggccaaaggt tgaagctttg tttggagctt caatgggtgga 240
tgaagaagag agaaagctac gtgagagagg gaaagaaaag gcttctgaat ttctttcttt 300
tggtctgagt aggagagaga acagcttttt ggttttaaaa taaatgggtt ttctcttttt 360
ctattatttt attcaagctc tgccatatgt ccctatttga gtggagcaaa agggcccact 420
t                                                                 421
  
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<210> 24705
 <211> 402
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24705

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cgcgaaattt gttccggcca tactcttcc tgcgagccct cttggtctct tgttcaaggg 180
ctcttgcggt aattgcattc tcttcccgta acccggcgca ctcttccga acgtgtgtag 240
cagccaactt gaacttctcc ttggcgagtt ntgcctttcc taactcgctt ttgagagctt 300
ggactttctc gtcctcttcc ggtgcttcaa aattctcttc gctgacgact tttaacttgg 360
cgagccaatc taaacctcgt atgcgaactt tcagccattc gt                                                                 402
  
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<210> 24706
 <211> 425
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24706

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 cccttccatg ccacaacctg gagcaattga gcagcctgga acttatgctg caaatatgta 180
 caatagacct tctcaacctc agcagcaaaa tcaaccacat gagagcaagt atgacctttc 240
 cagcaacaga tacaacctg gatggaggaa tcaccctagc cttagatggg ccagccctca 300
 gcaacaacaa caacagcctg ctcttctctt acaaaatgct gctggcccaa gcagaccata 360
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 tccac 425

<210> 24707
 <211> 398
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24707

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 gaaaattgac ccattctaat gctgaccaga attgcactca tacacatatg aataatgtgc 180
 tttgatgtag tgcaataatc ccgagtacgg acataacttt taaaagcgtc cccaattga 240
 ccatgagcat agtaaaagtc tccaaaatca ttgaatccca tctaataatg ttccttaatc 300
 aagtttgtct gcaaaaaata aatgcgatga acaaatgac aggataagga atcaatgata 360
 nattacgaaa aaacaggtct taccaaaata ctctcat 398

<210> 24708
 <211> 433
 <212> DNA
 <213> Glycine max

<400> 24708

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 ctatcaaaga tgtaatgtag caatttatga acttgctagc tgtaaggaag cactaaaaga 120
 tccaaaatgg aaaattgcaa tggaggaaga gatgtctatg atacacaaaa gaaaaacatt 180
 ggagctgggt gaaaggcctg aagatagaaa aatcattaga gttaaatgga ttttccgaac 240

aaagctcaat gcagattcct cagtcaacaa acacaaagt agacttgtgg ttaaagggtta 300
 tgtacaaact tttggtattg attattctga tacttttgca cctgtgtcca gattagatac 360
 aattcgattg gtgttaatag tggcttcaca aaagggttgg aaagtcttcc aattagatgt 420
 caaattagct ttt 433

<210> 24709
 <211> 397
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24709

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 gctgtatgct aggtagtgc tagggatggc tgtggacagc aactttatcg tttaaagcat 180
 agcaaggaaa aatatgaaaa tgaatgatat aaaaaaacat gtatctgaca ttatacacia 240
 aagtagttgg cactgtatta acaaaagata tctaatecta acctaggggt tcaagtgcctc 300
 ctacaacttt tgaatgctnt catcttgtct tgaatccttt tgtccctcct ttgaatcttg 360
 ccgatctttt tttcaatctt gtccttgagc tcttgga 397

<210> 24710
 <211> 419
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24710

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 tgcattgatg tttgtcaagt atccaacagt ggaaagaatt gatccatgaa gtttattacc 120
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 naaatcattt tttagcaatt tgattattgt gagagaatga agtcttccca actcctcagg 240
 aatagggcct gagagaatgt ttttaagatg ataagttggt ccaaatttgt caagtttcta 300
 atagttgaag ggattgcacc aaagagattg ttggatgaca catcaagttt aacaagattt 360
 gtcaacatac caaatgttgg cgggatgaaa ccattacaaa gattatgatc cattttcaa 419

<210> 24711
 <211> 355
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24711

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 gcttccctcc ccaagctcta cttccacttc tctttcactg atttcagatt cactgggtgat 180
 ttctcccatt gccttcacga tcatgggtct cctgggtggg catttagaag caatatgtcc 240
 tctgcctaag catcttatgt ttttgggtacc atttgtggac gaggcagaat tatgtttgag 300
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<210> 24712
 <211> 434
 <212> DNA
 <213> Glycine max

<400> 24712

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 tactacaatt aactcttggt aaagttgcgt actctttttc ctacctcgac tttttatcta 120
 taaaatgtga aagggttttt tctaagaagg ttttaatgag gcacaccta acatatacta 180
 tcaatgaagg tgttttctca acaattatac ttgaattttc attcttaaca attcccttct 240
 aaataacctc ttcaactgag gacgaactca aaatgatata ataatttccc tcccaaataa 300
 cctctttgcc cgatgacgaa ctcaacaata aatcataagt tccctctoga ataccttctt 360
 cggccgaaga caaactcatc atattaatta aaattaattg cacatcttat aagcaagttc 420
 caagcacaaa acac 434

<210> 24713
 <211> 478
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24713

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 agagcctacc tgcacgcacg catgtantgt atttagcgtg aacgtgctat gaagtcctct 120
 tatcgaaaca tgcaagggtga ctgccgacag gtcccaatct taccaaggta aactgagtac 180
 actatccgaa gacaccatga gtccgaactg tgggtgtctaa tgaacgaact aaatagcaca 240
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 gtgatacagc caaagctaaa catcgcttgc ttgggactgg acctgtcaac atctctataa 360
 caatgtatct tataaacaag agactgtatc caataatgca gtagcgtccc tactatgacc 420
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<210> 24714
 <211> 284
 <212> DNA
 <213> Glycine max

<400> 24714
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 ataaacaaca cccatataac accactaaaa caatacatat actaaaatgg cacggctaac 180
 ttatccagct ttcaataaga cctcctacta cgtaccctaa cctgcacata tcacagacac 240
 cctccctccc taccaattaa gaatggacac aaaaaattac atac 284

<210> 24715
 <211> 382
 <212> DNA
 <213> Glycine max

<400> 24715
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 ggagtcatca ctttatttgc ttctccta atctctttat gttcagatcc tttgtttctt 120
 catctcgttt caagatgact cctaggtcga cagccacgta agtactattg gagttgatgt 180
 cgtaattatc actctttctt tcttttggtt tttctattta tggcccaaca ctcatcttta 240
 ttttattttc agaaaatcag aatcggtggag ctggaatgaa aaaccgtcaa gctgcagatt 300
 gtgagtatct atacttcaact gacacgaatc aatgtcttgt accgactact tcatttataa 360

tgccctagcaa gcatgatcat ca

382

<210> 24716
<211> 380
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24716

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actttgttgt gggcaaaagc ttgatcttta attaactggt tctctggtaa ttgattacac 120
tgccctggtaa tgcattacca aagccttaat catttggaac cactttggtg tgaggcaaaa 180
acttgatctt gaattaatct tgaagcaatg cttgtttgtt gaagcaacct tgtattaata 240
tagaagcaat gcttaacctt tgaatgtttg gtgaagtaat cttgaaagcc accttatttg 300
attattcttt ggcttatcat atacatgtat tcatacatc atactctatg tgttcacatt 360
cctcgctgt atgatgatga 380

<210> 24717
<211> 393
<212> DNA
<213> Glycine max

<400> 24717

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cttccggtcg agacttcgaa aaattttcat ttgtgatcgg ttagactaaa ggcccgatag 120
catgcagtga cgaacgtcgt cacctgcacc tttcccgga atgtcatcgt ctaccggccg 180
agactatgaa aatgtctcat ttgcgatctg tcagactcca agtccggcag catacagtga 240
ctaacgtcgt catctgtacc tcttctggag atatcagcgt cttccggtcg agacttctaa 300
aaagtctcat ttgtatccg taaggcttaa atcgcaatag cgtgtagtga ttcacgtcgt 360
catctgcacc ttcccccgag atatatgcgt ctt 393

<210> 24718
<211> 385
<212> DNA
<213> Glycine max

<400> 24718

acactataca atactcccg c ttgcctcaaa gatgtccagg aaagacaatt ttgtcgttgg 60
aactagttcc gccccggagt acgacagtca ccgctttaag agcgttgtag accagcagtg 120
tttcgaagcc atcaagggat ggtcgtttct ccgagagcga cgcgtccagc tcagggagga 180
cgagtatact gatttccagg aggaaataag gcgccggcgg tgggcaccac tggttactcc 240
catggcctag ttgatccac aaatagtcct tgagatttac gccaatgctt ggccaacaga 300
ggagggcggt cgtgacatga gatcctgggt tatgggtcag tggatcccgt tcgatgccga 360
cgctatcagc cagctcctgc gatat 385

<210> 24719

<211> 397

<212> DNA

<213> Glycine max

<400> 24719

ttatgcattc ttaaaccact tcacacagac tctaggtgtt caatagccct caatttaatg 60
gattttctag gcttgagaag tgaaattcat aatgaggtaa atttgtagca aactctcacc 120
ttacacaagt gcataacatc aatctaaact tgctcactact ggatttacac ctataatttc 180
accgaatcaa aatttgactt ctcaacacct aattttgccc taaaaatggc tcttgctcac 240
tttggtcatt ctgtttactc ctaacacatt ccaagctatc tcataagtcc tagatgacat 300
ttctagctag aattatctca ctgtaacctc catttaccac agaatccata tttaacccta 360
caactcttat agcctcactc tgtttctact cataaca 397

<210> 24720

<211> 301

<212> DNA

<213> Glycine max

<400> 24720

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gaataagcca tggaacaagg agtttcacca ccaacatgag ccttggataa gaagctcgga 120
gaggatgctt ccttggagga aaagatagag ggagagaaatg atagaggggg gatcaccaaa 180
ttgaaggaag ataaaggag agaagttgaa ctttgagttg tgtctcacia gactctcatt 240

cctcaaagat actccaaggg ttacacatgc ttctattcat agactaggta gctgtcttga 300
g 301

<210> 24721
<211> 156
<212> DNA
<213> Glycine max

<400> 24721

tcttggcagt aagggatgca ttccccattg agttttgtgg acagcgcaac cgtttctcct 60
tgagtttacc tacatgaccc gccgtggtga tgcatacacc atttaacttg agccagctct 120
tgcttagctt aaaaagcaaa tacattgtca ccgact 156

<210> 24722
<211> 351
<212> DNA
<213> Glycine max

<400> 24722

agtttcttct tcagacctca gggatcggtc atctatcctg tccgacgacg actgcattct 60
cttctatcaa tatcggagaa taatatcttc ttgcctgagt gggctaagt tatgttgatc 120
gaacaccagg gaacatctca ggtacacctg agacaaaacg tcagatgagc tcccacgaat 180
taacgtatcc ggcctacaat gaagatcttc tatccccacac caaaaactag ataacttctt 240
ctgccgtaaa aaaaaaacat cacaggccag cgagcggtttt aaaaaaaaaa tctgtagcgg 300
ctatttcacg accgatgtcg gctaataag tttacattca atccctgaat g 351

<210> 24723
<211> 373
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24723

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accctatcga gttctaatta tgtgggccat aaagtctatc atatgctgac aatagtcgag 120
aagcccatga atctcttcag gggcagagta agtgtctgcc atcgcttgg ccttggttaa 180
caatagggga agtacttgac ttccgtttta ggaaagagca aaccgatcca tccacatggn 240

tgccctcttgg tgtaaagagt cgatcaccct tcctcttacc tctttatcgc atatacttgg 300
gcatactcat ccgcgacttt atgctcgtgg gcccgaggct agaaccaact cttcttggta 360
cttggcgatg ata 373

<210> 24724
<211> 384
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24724

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atattggtaa tcgattacca gtgtatctga acgttgaaat tcaaaatcaa ttgtgaagag 120
tcacatcctt tcataaaatg ctttgtgtaa tcgattacat ggttttggtta attgattacc 180
agtgacaagt tttgaataaa aatcaagaga tgtaactctt tcaatgggtt tcagggttctt 240
ctaaagggtta taactcttct gatgggttta caagggttgaa aagacatctc aaggactgca 300
ngtcgcttgg tgactggatg tatgcacggg ttgttgccga accagtataa actctttgtg 360
tttgtcttct tctaccctac actc 384

<210> 24725
<211> 413
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24725

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aaattgaagg aataaaagag ggagagaagt ggaactttga agtatgtctc acaagactct 120
cattcatgaa agttacaata agtgttacac atgcttctat ttatagacta ggtagcttcc 180
ttgagaagct ttcttgagaa aacttccttg agaagcttct ttgagaaaac ttccttgggg 240
agctagagct tagctacaca caccctctc ataactaagc tcacctcctt gagaagcttc 300
cttaagaaga ttctaaaga agctaaagct tagctacaca cacctttcta atagctaagt 360
tcaccttctt gagatgagaa gctagagctt agctacacan cccctataat agc 413

<210> 24726
 <211> 400
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24726

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 gaatgatgga agctttcttg tggggcttct atggaggctg gatctttgag cttcaatggg 120
 gtcctttaat ggtgattttc caccatggag atgcagcgga agacaaagga aaggagggtga 180
 gaggaggcgc catccattaa ggaataagcc atggaagaag gagcttcacc accaagatga 240
 gccttgata agaagcttgg agaggatgct tcaatggagg aaaagaaaga gggagagaaa 300
 gagggagggg ggagcacgan attgaaggaa gaanaaggga gagaagttga actttgagtt 360
 gtgtctcaca agactctcat tcatcanagt tacaacaagt 400

<210> 24727
 <211> 416
 <212> DNA
 <213> Glycine max

<400> 24727

tctcgttata ttatgcacct gaatcagact tccttttgaa aagttatgac catttgaatt 60
 cctcgagagc ttccggttgt caatttcgag cgtcttaata tattatgcac ctgaatcgga 120
 cttctgtgtg ataagttatg accatttgaa tttctcgaga gcattcgttg ttcaattcca 180
 agcttctcga tatattgtgc acctgaatcg gacttccgtt tgaagagtta tgaccttttg 240
 aatttctcga gagcttccgt tgttcaattt caagcttctc gatataattat gcaccttaat 300
 cggactttcg tgtgacaagt tatgaccatt ttaatttctc aagagctttc gttgttcatt 360
 ttcgagcttc tcgatataatt atgcacctga atcggacttc cgtttgaaag atttga 416

<210> 24728
 <211> 405
 <212> DNA
 <213> Glycine max

<400> 24728

agtttaaagg ttcactcaaa ctgggtgtat ttagcccca ggcctagact ccaaagagtc 60

[illegible]

<400> 24729

<210>	24730
<211>	398
<212>	DNA
<213>	Glycine max

agtttgtn	ctattgtca	ccatgttaa	cttttgta	gatttaactg	aaaataaatt	60
tcttcaagtt	ttacataaat	tgatgattaa	gatgatcaaa	taataaaaaat	atagaaatag	120
gggaaaaagt	gcataaatgt	gcacttgaat	gacatgaata	atatatgttt	taccattgng	180
cgaattaagt	gaatttatgc	cttatat	tattaactac	tagtcattaa	ttcttctttc	240
tgcaatgcat	tccactttca	cggaagtac	tttttat	ttttccttat	aattacaaat	300

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<223>      unsure at all n locations
<400>      24731
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<210>	24732
<211>	406
<212>	DNA
<213>	Glycine max

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<223>      unsure at all n locations
<400>      24732
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$\langle 210 \rangle$	24733
$\langle 211 \rangle$	432

<212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 24733

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 aggcaaaaga tcaagaggag ttagtggggt aaaaccataa acaggagaac aattagtgggt 120
 gctatgaaca gctctattgt aagcaaattc aacatgggggt aaataagctt cccaagtttt 180
 taagttcttc ctcaaaactg tcctaagcaa agttcccaaa gtcctattag caacttttgt 240
 ttgcccacgc gtttgtgggt gacaagtgggt tgaaaataac aatttactgc ccaacttgct 300
 ccacaaagtc ctccaaaat ggcttaggaa cttagagtcc ctatcactaa caatgctcct 360
 tggcaaacca tggagtctca caatctcctt gaaaaacaaa tcagccacat gggaagcatc 420
 atcaactttt tt 432

<210> 24734
 <211> 409
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 24734

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 gcacaacaag ttttccacat ccacaatgcg cgcataaacc caccatcccc tgttgcccac 120
 ctccaactga gctcacgtac tcccacgtag cccatatact cgtttctctc aacaccgggt 180
 ccccatcaat cctcccaagc ttccacaaca tccaagcaaa acaacattca cacagcacia 240
 gctatcacag ccaagcaaaa caaagcaaag gcagaaaact ctgccaaaac accaaccaaa 300
 aatcacagct tttcccactc aaagacccca gtaacaattc cttcgatcca atttgtaac 360
 cgttggatcg actccaaaat tnttctggaa gtctatagtg cataagcct 409

<210> 24735
 <211> 434
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 24735

caacaaaggg agaaagaagg ttgtcttcga acccgagat tgagtttggg tgcacatgag 300
 aaaagaaagg tttccggaac aaaggaaatc aaagcttcaa ccaacgggag atggaccatt 360
 tcaagtgctt atagaataat gacaatgtta caaagtgagc tgccggtg 408

<210> 24738
 <211> 397
 <212> DNA
 <213> Glycine max

<400> 24738

agtttgctg tcttatgcag tagtaatgat gacccgagtt atgttgggga acggttacga 60
 acccggaatg ggtttaggca aagacaacga cggcataact agcctgataa atgccaaagg 120
 aaatcgtggg aagtatgggt taggctataa gccactcag gcagatataa agagaagcat 180
 cgcggaagg aagagcggta gtcaaagctc gcggttgaga caagaagggtg aaggaagccc 240
 accctgccac ataagtagga gctttataag cgcggttctg ggggacgaag gtcaagtgg 300
 cgcatatac gaagatgatg ttccgagtac attggatttg gtacgaccat gccctcctga 360
 tttccagctg ggaaattggc gagtggaaga acgcccc 397

<210> 24739
 <211> 343
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24739

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 cccaagtcat gataggggta aagacatttg taccgtgttt aggaagtccc acacaaagac 120
 atcatctccc aacaacatct ggaagaaacg gtcaatattc tttgatcttc catattggtc 180
 tgatctacat gtgcgtcact gtctagatgt tatgcatgtg gagaaaaatg tttgtgataa 240
 gtcaattggg actcttctta acattanagg gaggacacat gatggtttga aatattgtca 300
 agacttattt gacatgggaa tacgagagaa gtcgcatccc ata 343

<210> 24740
 <211> 404
 <212> DNA
 <213> Glycine max

<400> 24740

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atgctgtccc tatacatata aaacagtccc acaatcccaa gcttacaaaa ccattgcccc 120
atgtcattga ggcatttcac cgagcacttg gtggggcgcat gttttggcat gaatagcaag 180
agaatggggg caatgtggca tgccccatta ctccagaatg caacataggc ctaggggccat 240
cccatacaac ccctaactc acaccaatca agcatgaaac aaagccaaaa ttgccccata 300
gacttgggca cattcccaca atttatagca ccaaagaag accacaatac atcaatggaa 360
agctagaaag ctaaaggatg agatacttac ttgatggagt gagt 404

<210> 24741

<211> 434

<212> DNA

<213> Glycine max

<400> 24741

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tccagaagca atagccttct ggaggaatct tctaaagggc ccaagtgggc ctggttgcta 120
tttgaccccc cattttgact aagtacaccc cctacctttt ttggtgattc ttttttcgta 180
aaggtaccga tacttacgaa tttcgtaatg atacttgttt tctttccata atgttacgga 240
accttgcgga ttacataatc atcccccttt tgacttacag aatgttacgg aacctcacta 300
attgtgcaac gatgcttcca tttgatttcc ggtgtgtcac ggaaccttac agattgtgca 360
tcaatatattt cttttgtttt ccggcacatc ccggaatatc acaaattgcc taatgatggg 420
tgcccagcac ctca 434

<210> 24742

<211> 388

<212> DNA

<213> Glycine max

<400> 24742

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accgcaacag ggagaaaggt gcggatcatg cgcaccagca tgaccactct cacataaatc 120
tggtgacgt tgctgcttag caaaattctc cctagcgacc ataactcgga cctcacccta 180

ctaaagtgtc agctgggtcta caccatactg acacatgtga gtgtacatgt ggctcagctg 240
atctctgatg ctatttacca gtttgcaggg attgtgcgta ccagacaccc ggtggacccg 300
gagaagtcca acagggcctt gagatttcat gctctgatta taggcctctg tcagttctat 360
ggagtgtcgg tcacccccag caagctta 388

<210> 24743
<211> 412
<212> DNA
<213> Glycine max

<400> 24743

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gaatgctcag gagaaaatga gaggggatgc tccctccaca agggaataaa ccatggaaga 120
aggagcttca ccaccaagaa tgtgccttgg atagaagctt gaagaggatg cttttatgga 180
ggaaaatgac agagagaaaag ggggagcacg acattgatag aataaaagag ggagagaagt 240
ggaactttga agtgtgtctc ataagacttt cattcatcac agttacaaca agtggttacac 300
atgcttctat ttatagacta ggtagcttcc ttgagacgct ttctagaaaa aacatccttg 360
agaagcttct ttgagaaaac ttccttgaga agctaaagct tagctacaca ca 412

<210> 24744
<211> 331
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24744

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tgacgatgtc caacgttggt gtggagagaa accccaacgc agagatcttc cactgctga 120
attgcatctt gttgactcat aactgttaca atgtcttccc tggctggggc attgacggng 180
tcatgggtcc agtgcatgtg tcacgcaaga ggccatggca gcaatgagaa tgatgaggga 240
gacgaagaat agagaacgcg atgggtgatga ccacaccatt ggtgaacaca agactgagag 300
agagagagag agataagtaa gaaggacac a 331

<210> 24745

<211> 383
 <212> DNA
 <213> Glycine max

<400> 24745

agcttgcgga acccaacatt acttgctcta ctgttccact ttacattcta tacaaccaa 60
 aatattcgct gtttggttgg gtcggagact acacatattt attgttatta acaattcata 120
 gacattttat tgaatctcat tccaagtcac ataataatat ttacatttat ttatgttatg 180
 cattcgaaca ctttcaagca catatgtaac atatacatat atattgctac caataatctc 240
 aaagtattca cattaattta atcctaagac ataaactctc aatcctttta tgacattcta 300
 taataatatt aacaaaaatg agcaagtgac attgtaaata gcataaatga gtggccaata 360
 acaattttca gaacttcctt ctc 383

<210> 24746
 <211> 375
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24746

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 cttaggcact tctctttctt tcgaatttgc ttggaaaaat tgtttccgtg aagaaaatcc 120
 aaaccgaggg gcttccgaaa cgttttcgtg aggaatttcg cgaactttcg accattcttc 180
 gacgttcttc attcgttctt catcgttctt cgatcttcaa cgggtaagta cctcgaacca 240
 agcttttcga ttcattctat gtaccctggtg tggttcacat tgtgtttcgt gtatttttat 300
 tctcgtttca tttactttnt atacccctt tataaccccc ctntcaacgg gccatttatt 360
 taagtcattt ctcgc 375

<210> 24747
 <211> 422
 <212> DNA
 <213> Glycine max

<400> 24747

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 agtattgaac acaggggaact tgttcattta gcaaagtttt gttaagtaag caggcatttg 120

caaacaaaaa ttaatgattg tgaattaaag caaaagtatg ttctatccta agtaaaagca 180
 ataaacgaga acaagtaagt gtgaaaacaa atatctaaag gcgttgggtc ctctactga 240
 gtaagttgat gcaattaaag atgtttttct aattaaagat gttcctgtgt tctatgctga 300
 ggacaaaaga ataccaaaaca ccaattcctc tagagtttgg attaatttaa atcaaacttc 360
 gttcgcagat cctcttgtt gaacttagcc taatttaaag agcattatac tcacaacata 420
 tc 422

<210> 24748
 <211> 318
 <212> DNA
 <213> Glycine max

<400> 24748

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 agagagaact gcccacgc tagtgcaaga cacgtcggtc tccaccacaa aggaatgtc 120
 gaagttggga agcgccaaga cgggagccgt gaagactgct tcctttaagg tggatgaatgc 180
 tctcgtagcc aactccgacc accagaattg acccttgac agcaactgtg agagaggcgc 240
 aacaatctta gcgtaacctt taataaatct tctgtaaaaa cccaccaaac gcagaaaact 300
 tcttaatgtc ttcactga 318

<210> 24749
 <211> 411
 <212> DNA
 <213> Glycine max

<400> 24749

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 aaagagaagt tcaagtccat aaccatcaaa gtctgaagag agtatgatga actaaggac 120
 gtcaatatgg ccaccgatga agccttgaa tgagaaacca agaaggcccg aaaggaagaa 180
 cacgacaaa acaagttttg aggggcttta tagggtagca atagttagct caaactctga 240
 agaggtgaaa ggaatcatca cgggtcaaag gcatgatctt gaaggacgag ctaaaagctt 300
 gccttatgtc aaaaagaaat ttgtcccaac agttaagcga gactgaaggg aatatgtggg 360
 ccatcatcga tgagtgcaaa gagaagctaa atctagcagc gactcatgag c 411

<210> 24750
 <211> 400
 <212> DNA
 <213> Glycine max

<400> . 24750

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 aacataaaaa gggaaaaggt aatattgtag ccgatgctct ttctcggcgt catgccttac 120
 tttctatgct tgaacaaaaa ttgattggtc ttgaatgttt gaaaagcatg tatgaaaatg 180
 atgaaacttt tgaagaaatt tttaaaaatt gtgaaaattt ttcagaaaat ggtttcttta 240
 gacatgaagg ctttcttttc aaagaaaaca aattgtgtgt gcctaaatgt tctactagaa 300
 atttgcttgt ttgtgaagca catgaaggag gtttaatggg acattttggg gtccaaaaga 360
 ctctagaaac attacaagaa acattttatt ggtctcatat 400

<210> 24751
 <211> 430
 <212> DNA
 <213> Glycine max

<400> 24751

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 atggcgccgc ctcttacctc ttctccttg tcttccactg catctccatg gtggaaaatc 120
 accattaaag gacctcattg aagctcatag atccagcctc cataaaagct ccacaggcaa 180
 gcttccatca cattggcccc gcaccagga gtgcttgccc ctaaatccct cctctatgga 240
 ctatgcattg gcgtagaact ccatgattat ttatggatca tacttagcca tgggtgttgc 300
 aagttgagtc cactgcctcc tggcaatgtc ctctagaat tcagcatatt ctcttgcc 360
 taattggacc cgcctctcct tgagaaaaga ccaacccttg actgtctcac aatggcgcta 420
 gtgttcatcg 430

<210> 24752
 <211> 405
 <212> DNA
 <213> Glycine max

<400> 24752

agttttcaaa atatgcaact attgaatcct aataacaaaa tatgaattag tgatatacat 60
ctacacatac taataacaaa ataaaacaaa caatgggtct ttagatttct tcatttttta 120
tactgcatca tctttatcag caaccttcct ttgtttgggc cttgttatgt ttagcttatt 180
ccttgctact ggcggaacaa tagatgtagg gacctacatg caaatgccaa acatgaataa 240
cacttgtaat atataagaat ggagagctgc aacaaattat gatgagataa aaatattctg 300
ccgcgacata tattgaccat gaactccatg tcactatcga gacaaattag gctgagatac 360
attaatctcc acaggacctt cttgaacatg agcagcacga atgca 405

<210> 24753
<211> 328
<212> DNA
<213> Glycine max

<400> 24753
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actacacttt tcatgaatca tacaaaaaga tatttattta taaaccaatg tggttttata 120
aatcacgaga aataacttga ttaaattaaa tcatggcttg aacgacataa tacagaaaga 180
ttctatgtat tcatttgata ggaaatgaaa taaagatctt ttgattatat actaataata 240
ctaaagaata tttgagttca tcctcagctg agagtaccta cgtagagaca gtgaagtttt 300
tagactgacc atcgtctttg tgcttact 328

<210> 24754
<211> 393
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24754

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aaccaagacc tcatttatcc aacttcattc tttttctttt cttttttttt gaatatTTTT 120
tttctttttt tgtatacttt tttgaacgtg aacagtagca attgaaagca tttgaaaaat 180
aaagcagcca ttaggcagtg tatgtatata tcatcaagca tggccaataa aaacatatca 240
tccaatgaaa catacccccc ttcacactta ttcccaaaac aattccaaag ctccaaaatt 300

ccttaagggg aggggtgaaat catgggttttt cacttaagggc ttgtaatgag cttcanaaca 360
tagaaagggg aacataggct canaggggct atc 393

<210> 24755
<211> 431
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24755

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caaggtctga gagaccatac aattttccta acgatttcta attatgtggg ccattaagtc 120
tatcatatgc tgacaatagc cgagaagccc atgaatctct tcgggggagg agtaagtgtc 180
tgccatcgcc ttggccttgg ctaacaatcg gggaagttct tgactcccg tcaaggtaag 240
agcaaaccga tccatccaca tggatgcctc ttggtgtaaa gagacgatca cccttcctct 300
agcctctttt tccgcataca cttgagcata ctcatccgtg attctatgct cgtgggcccgn 360
ggctagacct aactcttctt ggtacttggc gatgatagct aacatgttgg tctctgtctc 420
gcataaacgc t 431

<210> 24756
<211> 370
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24756

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tgccaatcaa ggttgtctca cagacacctt ttgagttatt caaaggttgg aatcaatgt 120
tgcgacatat acgcgtctgg ggatgcctgt ctgaagtaag aatttataat ccacaagaga 180
agaaactaga ccctatgact attactacgt atttcattga atatgctgaa aggtctaaag 240
ggtataagtt ctattgtcca tcccactaca ctacgattgt ggaatcaagg aatgcatagt 300
ttcttgaaaa taacttgatc agtgggagtg atcaatttcn gaacatttct tctgaaaggg 360
atcactatga 370

<210> 24757

<211> 172
 <212> DNA
 <213> Glycine max

<400> 24757

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 ttactaaaaa actatacaac atatcatgca ttatggagtg aaactaacta atgacccaaa 120
 agtaatcctt gcatcgcttt tttattgatt gataaaaaac aataaattta ac 172

<210> 24758
 <211> 408
 <212> DNA
 <213> Glycine max

<400> 24758

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 atcaacactg atataacaat ggagtagaac gatataaata tcagagtata aaacacaata 120
 attcaaactc acaaacaaga aataatcaaa ccagaatcca aataactgaa aatgtcaaca 180
 accacaaaat atccaagact gaaatttaaa aaccacaaga taaataagca aagtacttag 240
 cataataatg taaagtctaa gaaactaaaa gccaaaatac acgggttata aaaaatatat 300
 aatcagaaac taaaatctaa gaagacggag gtgggtgggtg aagatcgaaa ctctgacgaa 360
 tgtatccaac atcctcttca agctgtgtaa ggccaatgtc cataccgg 408

<210> 24759
 <211> 435
 <212> DNA
 <213> Glycine max

<400> 24759

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 agaagaatgt gacattcact tggggtgaaa gaaaagagaa agcattttct ttgctcaaag 120
 aaaagctcac caaggcacct attctagctc ttctgattt ttctaaaact ttcgagctag 180
 aatgtgatgc ctctggagtg ggtgtgagag ctgtattgtt gcaagggtggg caccctattg 240
 cttatttttag tgaaaaactt catggtgccca cctcaaata cccacctat tataaagagc 300
 tttatgcctt aataagagcc ctccaaactt gggaacatta ctgtgaataa tgcaggtttt 360

gatgatgcta aaaagaaatc acttgataat gattgtcatc atcaaaaacg cggagaatgt 420
gaatgtatga ataca 435

<210>	24760
<211>	403
<212>	DNA
<213>	Glycine max

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ggggaacaaa	aaatgcagga	tagcagttga	gagagaaaaa	gtgagacaac	tgtttaagac	120
tttgagcac	taaaagggtgt	tggtgaaatc	aaaatttaat	gcgataatct	ttatttggaa	180
gcggtccaac	cctggcactc	acaccggctt	tttcgggtta	ataccggatt	gatgatgtaa	240
gcaccggtct	tcgattcccg	gttagaccgg	ccggaccggt	ccgttttaaat	aacgctgcac	300
agaagcctta	tgtgtagcat	aaccatattg	tgttatgcag	cgtaatcata	cccaaattcat	360
cggatattat	tacatttctt	attttcgtga	acggtacaaa	cct		403

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<223>      unsure at all n locations
<400>      24761
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<210>	24762
<211>	400

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24762

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aaccttttttg ttgttgaaag tccaacaatg gctagcaagg ttgaaatgca gcggcgttgt 120
tggtatagtg gaagctatgt gtgaagtaca atggatgtac tggcagggtg ttgaaattca 180
gggccactag tggctagttg tgtagtgaa atatcatttt taagggtgag gacaagacgt 240
agcccaaggt taggggtgagc tagtataaaa atcatcgtgc actactctct tccctctctc 300
tacattgatt ctgnttattg atctcttgac tagttntgnt aaatccttaa gacaagaaaa 360
ccattcacac atatatccaa aattgaacca ttttatcaaa 400

<210> 24763
<211> 401
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24763

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tatgggtaat gctgtctcta gaacatttcc attggattta atgatgaaat ctgagcattt 120
tcacgtgaaa aagaggatga gttctgaatt gcaaaaagtt gcacctgggc taaacgctta 180
ttcacgcta agcacagctt cagtgcgctt agcgcaaaag agaactctggc agagcatcag 240
catcaaagcc gcaccctaag cgcgagatca atgcgctaag cgcaacaggt gccttttagcc 300
aggctcaacg caagactggc gctgagccca attccactta ctgagctaa gcgcgagggt 360
ggcactaagc gcaagggttg gtattctgag cctattttaa g 401

<210> 24764
<211> 382
<212> DNA
<213> Glycine max

<400> 24764

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tcggctgaaa aacatcagtt ggggctgttt aactaccgat gctggctact gttttttcta 120

ttccaccct gaataatact tggacgatgt cgatttgaa atgttcgatc ggagtcaccc 180
 ggtcatgctt ctttttaaga cctcgatctg tcatcttttc ctggccgacg tgggctagca 240
 tttttttcga tcaatatcgg tgaatcatgc tttttgcaa ggtgggctaa cgttttcgtg 300
 gctcatgaaa tgagagcatg ccagtgtcgg ccgaaacaca atctcgcacg aaaaacccta 360
 gccgacctac attgtaattt tt 382

<210> 24765
 <211> 415
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24765

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 agtcaaccg aagttgtatt tcggccggtc ggctagggtt tttcgagcga gctcaaccaa 120
 agttgtgttt cggccgacac cggcatgttc ttgtttactc tgccaggaac acattaaccc 180
 acctcggcaa aacaaccatt atcctccgat actgattgag aaaaacaata gccgatgtcg 240
 tccaggaaag atgaccgatc gaggtctaaa aatcaaaagc atcaccgat gacgccgatc 300
 gaacatttcc taatagacaa cacctaacaa ttatcaaggc attaattaga aaaaacaaca 360
 cccgacatcg gtcgttttaa agccccggcg gatatttctc agccaacatt gcaga 415

<210> 24766
 <211> 387
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24766

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 tgttggtgtc atacctaata ttcgtccggg gattattact tgatgacatg caacctttgg 120
 tcagccgctt tgagatactt ggcacctttt ggtgcacaat aaatgaagtc ccgagacgtc 180
 tcagaaatct aaaggaagca tgcttgccg atccgtgaaa ttccgtaatg tggcggaagt 240
 cgaatagagg tgtttttgcg caatccgtaa gtatccgtaa cttcttcgaa agttaaaaaa 300
 gagtaaatac ataatccgta aggattcgta accttgcgga aggataatag gtatcgctac 360

aaaattcgta cagtttcgta acattac

387

<210> 24767
<211> 425
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24767

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ttaggacctg aagtgtgata acaaaccacc aagaaggatga agttgatcca agaaaggatg 120
aggactgctc agagtagaca aaaaagttat caggataaga ggaggaaaga tctggaattc 180
gaggttggtg atcatgtatt cttgagagtc actctgtgga ctgaggttgg tcgagcattc 240
aaatcccgaa aactcacacc tttctttatc ggctctttcc aaattcttaa aagagtcggt 300
cctgtggcat accaaattgc attaccccca tcactttcta atcttcacaa tgtctntcat 360
gtatctcaac tccgtaagta tatacatgat ccatctctg acatatgaaa catttccttt 420
gagga 425

<210> 24768
<211> 358
<212> DNA
<213> Glycine max

<400> 24768

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tagctgctg ctcaagatcc aagaagagtt tggccaaca cttagaagcc acggagcaaa 120
gcatgctagc tataataggg caatacaaag aggagttaaa ccaatctttg gctcatgagc 180
aaaagctagt agaagacttc acacaagtat acgccgagaa ggaggcaaga ggaagggatga 240
ttgatgcatt gcatcaagaa gcgaccatgt ggatggatag gttcgccttg accttaaattg 300
aaagtcaaga cctcccacga ctactagcca cagcaagggc catggccgaa gtgtgttc 358

<210> 24769
<211> 422
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24769

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ggccttgatt ttctcaaggt ccacttggac cccatttcta ccaactacaa accctaagaa 120
aactatatta tctacacaaa aagtacactt ctctatattt gcatagaggg tgtttttcct 180
aaggactgaa agaacttgct cgagatgtcc taagttatca tctaggctcc tactgtacac 240
taaaatatca tcaaaataaa caactacaaa tctacctatg aaatccctta agacatgatg 300
cataagcctc ataaagggtgc ttggtgcatt agtgagccca aaaggcatca ctagccattc 360
atacaaacca aacttggctt tgaaagcggg tttccactca tcaccnttt catcctgatt 420
gg 422

<210> 24770
<211> 387
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24770

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tgtagcagat gtctttccag attccccctt actcgctaag cgcgctgggt ctgggcttag 120
ccgttgatgt gcacaaagcg cattgagctc acttagcgcg atgactcctt tggcatttct 180
tcaaaatacc tcctttttgc ctaatattaa agaagattta acattaattc catataaaga 240
ggctcttact gagcatagat cataacaaag caatattatt tacaatccac caaaaagaac 300
cataaatggg agatttatat acattgtgga atacctttct atanaaaagt tagtggtaaa 360
tgacgactaa caaatgtctt cattctt 387

<210> 24771
<211> 410
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24771

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atttttcacc atagagatgc agcggaaggc aaaggagaag aggagagggg aggcaccatc 120

cactagggaa taagccaagg aagaaggagc ttcaccacca agaattgcct tggataagaa 180
gcttgaagag gatgcttta tggaggaaaa gaaagagaga aggggggagc acgaaattga 240
aggaataaaa gagggagaga agtgggaactt tgaagtatgt ctaacaagac tctcattcat 300
canagttaca accagtgtta cacatgcttc tattcataga ctaggtagct tccttgagaa 360
gctntcttga gaaaacttcc ttgagaaagc ttcttgagaa aacttccttg 410

<210> 24772
<211> 384
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24772

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gtgttttcgat gataacaatg atgataacaa aagatgatgg caaaggatgat gacaaaaagc 120
tcacagatca atcaaagaac aactcatgag atcaagtttag aatcaagaac aattcaagag 180
ttcaagatag aatcaagaag aattcaagac tcatgacgaa aggtaagagt caagaatcat 240
gattcaagggt tcaagatctc aaaaatcaag atcatgattc aagactcaag attcaagaat 300
caagagaagg cttaatcaag ataagcacga caagtttttc tcaaaaattg agtagcacat 360
gattnttctc agaacatggt tacc 384

<210> 24773
<211> 352
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24773

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aacgctttct aacctttggt aaccgatgga tcttctcgaa atttggactg caactttaca 120
agacactttt ccatgatctg accgttggga tctttgagaa aatatctgga gtgtactcga 180
agcttccggt cccgagagta tttcttattt aagcactgta gcctttgctt tcatgtatct 240
caagaaaaac aacatttctt cttctatctt tctttcaaag ccatatataa agttccaagc 300
gctttctcca tcatccacag ccaactattat ccaccacaaa ccatcattgt tc 352

<210> 24774
 <211> 408
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24774

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 atcatgacaa aagagcattt gcaagagaaa ttcatgtata caatatgatg attttggaaa 180
 cctatataag aaacaatatc gtttataaaa tatacagctc atacctcttc agaaccctaaa 240
 ggagggttgcc ttggttttcc ccatactaac gataaattat caaactgcca gaagagaaaac 300
 aaaagatgat gtcattaata ttatacagtg taaaatggaa caggggaaat aaaggcccta 360
 taaatttttg caaatatgag cagtatcata natcaattca taacaata 408

<210> 24775
 <211> 470
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24775

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 tacaagctgg gcgaatgcaa catgccaaaa gagacgggag gttgcctgca ctttggcata 180
 agcctatgat caaagagctt caccaccaag agttgccttt gattagaaac ttgtagagga 240
 tgctctaata gatgaaaaga aagagagaat gggggagcac gaaattgtag gaattaaaga 300
 aggagagaca gggaactttg aagaatgtct atcaagactc tcattctctt aactcacaag 360
 cagcgttacc catgcttcta ttctagaca acgaagcttt cttagaaaac gttcttgaga 420
 agacttcctt gagaagctct ttgagaaaac ttcttcgcca gctaaacctn 470

<210> 24776
 <211> 383
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 24776

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cttttgcttc agcaagtaat atggttggtg agatcgaata atacttagcc tttttcactt 120
tgtagagctt aaggctggaa ggttggtgtac tctcttgtct agttgttgat tgtaaaatac 180
tctaacatgg aatcctttat actagaaaaa tattattttt agtaaaagga tatttttagat 240
taaaaaaaaa aggaaaggaa ggtgtattta tcaataaaaa gctataaata gcaatagcct 300
atgcgaaaag tcctgtggtt ntgcaggagg gtgggttaag aaccaacat gaacatactc 360
tcggtgcatg taagtatgga ttt 383

<210> 24777
<211> 404
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24777

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gatgtcttcc tcgcctgata cgatgaccag atgcccttcc actacgaatt tcaacttttg 180
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gtagggaggg ttaatatcca ttatttgga agtaacttga caggtgtgag ggcctatctg 300
tactgngaga tcgaactctc ccctaacctc tcggcgggtg ccgtcgaagg tacgaaccac 360
cattgaactt ggttntaagt gggaggcatt gaatggtaat ttct 404

<210> 24778
<211> 424
<212> DNA
<213> Glycine max

<400> 24778

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aatcgtcaaa aaaccttttg gactgcaatg caactggtgt taagcagctc aatttggtta 120
gcagggatca aaagatcaac aaacgatagt ccctgaatga aattagggtta tgacacaagt 180

tcaaccaatt cattctctga atccatgccg gattttttat gtaacaatc

409

<210> 24781
<211> 385
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24781

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tgaatcaaac atgaattaga aaagaagggt aacttgcaat ttaatgtaga aaccaatttt 120
gatatagaga ttaaattgaa attgaaagat ggcaagtata gcacatcttc taaatgtaaa 180
aactccgtaa atttgactgt tctagagtgt gtggctatga cttgttgacc agtangtagg 240
cgaactacta tcggatttat ttctctatat gtagtataac aagtcaatga ggaggcaata 300
tgatctataa aactagaatc caaaatctat gttgcagctt caggcttttg aacattacaa 360
acaagggata gtatattacc tatgc 385

<210> 24782
<211> 418
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24782

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gcggaacaat tccacactct ttgagaaaaa atgcaaaagg tcctggacgt tctcttgatc 180
catcatattt gccattgtac tcgccaccac gatcagattt gagagcctta attttctttc 240
caagttgaag ttcaacttta tgcttgaaac tcttaaaaag tctagggatt gggacttcgc 300
atgcattaca tacaagtaac cgtatctaga gtagtcatct atgaacaaga taaaatattg 360
ttgcctattc caagaagggt tnggaaaaag atatcacatg cccgtatgta ctaattct 418

<210> 24783
<211> 400
<212> DNA
<213> Glycine max

<223> unsure at all n locations
 <400> 24783

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 gaactaaaaa aaacaacagc atcaatggca tcaaacaaaa gcatagtgcc aaaccaaata 180
 acttatagaa cattaagaag catgagtttc tagattcatg ataataccgt aacaaaagaa 240
 gaaacttccc tatttactaa tttctagaan agccatgagt tttctattca gaatcccaca 300
 ctctcacgtt ctgtttataa ggacaataaa aataactaac aataatatgg ctttgccact 360
 tctaaaattg canatcagta caccatacga acccaatgat 400

<210> 24784
 <211> 438
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24784

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 gagtttaaaa agcaatcgaa tcatcaatca tctttgaatc atctatcttc aatcttttnc 120
 acatcatctc tcaaacatct ttcaatcaat ctttcaatat ctttctacag aatttttctg 180
 attcatttct cttcatcttt ctaaaatttt gttatcaaca ctttttcttc cgagaaaagt 240
 tcttcgttca aaaacttggtg gtattcatct tttgcattct cttttccctt tgccaaaaga 300
 acgaaagact aaccgcctga attcttttga gtctctcttc ttccctttcc cttaagcaaa 360
 atatgtcaaa ggactaactg cctgagatat ctnttgtttc ccctttacaa agattcaaag 420
 gactaaccgc ctgagaat 438

<210> 24785
 <211> 394
 <212> DNA
 <213> Glycine max

<400> 24785

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 acaaagccta gacataatgg ctagtgtgac tcttatcgac cgagaatgaa tgattgagat 120

ttggaacatc ttggagaaag gctcactcct ataaaatcca acaataacaa aaaagctcat 180
aaggaatgcc aactattatg taatagaggg aaaagaccta tacaaaagag gctttacaac 240
acctctgtta aaatgcctaa ccgaagacca atctgaatat gtgatagaag agatgcttag 300
aggaatatgt ggaatacact cagggttctcg attgatggaa acatgtgttc tcaaagccag 360
atactactga ctgatgatga gaatagattg cata 394

<210> 24786
<211> 429
<212> DNA
<213> Glycine max

<400> 24786
tcattctcaa tccaagaaga aagtgataaa gaagacttaa tttatttgaa tgaagatgat 60
gatcttagcc tttttgtaaa aagggttcaac aagttcctaa aattcagagg aaatcaaagg 120
aaaccaaatt ttaaacctaa aagaaggaca gaagattcat cctctactac aaaatgcttt 180
gaatgcaatc aacctggaca tttgagggtc gattgcccac tcttcaagaa aagaatggag 240
aaatctgaaa agaaaaattt cagtgaaaag aagatgaaga aggcctacat cacatgggat 300
gaaaatgata tggaatcatc tgaggattca aaaatgaaga gataaaccta tgtctaata 360
ctaaaagtta tgaaagcgat gaagagttaa catctacaaa taacaattta tccatttctt 420
ttgatgaat 429

<210> 24787
<211> 404
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24787

ttcttgcaag ttttagcctt tgggttggtc accatgttgc tcattctcatg ttgttactcc 60
ccctattctt aacaatatat tttagtttat tacgacaata taattttttt ttgtgttaac 120
tttatttatt atgagatatt atatattttg tcattgataat atatttttaa tttgaagtat 180
gaattaatca atcaatttat gttagttata tatataattt aattttttta atatatatcg 240
agtcaaatcg gttcaattag caatccttgg ttcgactact aatttattga tccaatgtct 300

caactgattt gattatcggg ttagttttta taatactacc ttntgcactc tactttaatt 360
tcaattttta tttaaattccc ctttattttg atttctctaaa tcaa 404

<210> 24788
<211> 459
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24788

cggtgtcctc gtcacgctgn ancacatgaa ancacnccgg ccccgggata cttcgagtcg 60
accngcagtt ttgcagttat tcaacatttt atacaagaag gganagcagc aggacgaaac 120
ctaaacggga cagcttgag cataatgcta caaaaaggca tgtgatgacg gggcacatca 180
cttacgatta agaggacggg aggatcacag aataacattg gaatccatat gcgataaaac 240
cgctgaaatg ggtcaatcta acaggctcaa gactcttctg acgaaacagg ggaagctgcc 300
ttcagtttgc attaggcaag ggacatactg aagcttatat aactcgcac ctgtggtaca 360
ggagctaaat ttgctattca tcaacatact ggcacaatgc atggactacc tcttgactac 420
cagtaaggca atcttttggc gtgtttgcc gcaaaagct 459

<210> 24789
<211> 417
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24789

gaacgcacgc tgccccaant tatgaaactt gtcatacctc tntcccggat caggctcgtg 60
catctcaatc atttgccatg cagcgtacat agtgcaaacc catgaaagga gcaatattgt 120
aacgccccaa ccctgccac aacaaagaaa catgcatgca tgaaggccat aacaatagaa 180
taatgataca gtataaacac tccataataa taattttatt ttctattcat tgactattta 240
ataagagtgt ttttaggtat atacaagaaa caaactctgg atacatattt attatgaagt 300
gatgatgcat gaaaagagaa gatgagaata ccacccatgc tctgacatgg cgtatgggat 360
accagcaca ccagctgcaa caacagcagt gacattgtga aaagcatagt accacca 417

<210> 24790

<211> 377
 <212> DNA
 <213> Glycine max

<400> 24790

agtttgactt tggtttaaac atgattgata catgatttgg gactttagg atttgatttg 60
 ggcaagattg gatgaggga agtgtgactt tcgaaatctg cacttatgca gaatttggct 120
 gtgaaattat gtagcagaat tttgcataag tgcaggaaaa tacttgtgtg tggtagctg 180
 tgggaagagt agtgcagaat gagttatgga tgtttgctag tagatcaca cggtaaaaat 240
 gtaggattat gtattagaga ctcccagtag aattttcgag tcgatccaac ggtaacaaa 300
 ctggaacaaa ggaattgtta ctggggcttt taagtgagaa aagtgtgatc atggttggtg 360
 ttttgggcag agttttc 377

<210> 24791
 <211> 419
 <212> DNA
 <213> Glycine max

<400> 24791

tttcgattca ttttatgcac ccgtagtggt ccacattgtg tttcgagcat tttgattctc 60
 attttgttta ctttttatac ccctgttga catgcttaag ccattttact taagccattt 120
 ctgcgttaac ttaaaaataa aataaatttc caccgaacgt ttgaattgta ttatccgtta 180
 acttcggtta aaataaattc cgaccgttcg gtcgtgccgt aaccacgttg gaaatcaaaa 240
 aagaggtaaa aataatataa taatcaaaaa aaaaaaaaaa acatctttta gtaaaataaa 300
 ccggaaaatc aatcggacgt tttctctttg ggattttctca ttcttaatcg aattgagtaa 360
 taactaaagt gaaactaagg ctaaaatcaa ctgcctagt caagctcgtc cacaaaaat 419

<210> 24792
 <211> 393
 <212> DNA
 <213> Glycine max

<400> 24792

tttcatgcaa gcttaaacad agttctatag aattcattaa ggtgttgcta tctttcacct 60
 acaaatggaa aaacatgatt tctactctcc cattagaaaa taacaagttg ttatatgtca 120

cctaccatat ggttatacta tatactaatt gctgagcaaa aaaaaatact atatactaatt 180
 tgccattctt aataaattat atattaatga gattttattg gggctttttc tttattgtaa 240
 ctcagtggat gatttttatg ccaactacat caaaccaacc attgtaaatc atatgttgac 300
 tacgttggct tggatttttc tttgctatta tttttctgta gtacctcaat aaatagattg 360
 taaaccaacc gcttacaatt tatagcgta agc 393

<210> 24793
 <211> 414
 <212> DNA
 <213> Glycine max

<400> 24793

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 cttatgggta gaaccatac agtatgccat acaagtagag aatagtagga actatatatg 120
 gtgtcaattg tttcaaagca gtatgtgtga gaagcttaga tgtaatttgg tcttttggga 180
 aaagaggaaa gctagagatt ttctttttat gtgaaggagg gaagcttgac attttgtttt 240
 ttctggtcga ggagggaatt atatacatga ggtaaataat tgaaaatttc gatacttaaa 300
 agactttcca aattgaataa tttattattt tttaatatat ttacacatt gatgtagaa 360
 tatatttaaa tatctctctg aacgaataac ttaccaata ataatactat taac 414

<210> 24794
 <211> 388
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24794

agttttcttc aaagcttcaa aatcaatgcc tggaaacact ttcattgggtg ctttcatgat 60
 atatttttaa aataaaaaat aaaaaaaggg aagcccataa catacactga aaacctgccc 120
 agttattatc atcagcagta gcatcagctg cccctgagcc cttttcattt ggatcatcca 180
 tagacaacat gtcaaaaagg tccgtagcat agtcaacttt tgaaggggaa ttttgtgttg 240
 tgtcagtagt ctgttttgaa gtttcagctt gtggtgatgg tgcaacaggt tccactttct 300
 caacatgttg aggttntgcc acagtagtta cctgttcaga aatttaattg ttttacacgt 360
 ctaananagt ataaaccatg aaactttc 388

<210> 24795
 <211> 413
 <212> DNA
 <213> Glycine max

<400> 24795

tgcagcctga taaaatataa gctatatttt ttctatttca ctgcaaaaaa ctgaatattt 60
 tctgttactc atacttttat gcaggcagat tgaaatagac aacaaatttt tggaagcaca 120
 acaaattatg gactagcaat gcttgcagag gaaggtgcat ctcttgtctc ctttattgac 180
 ttatgttatt gctttttcta gtacaactta taaacatgaa ctgatccgtt taaaaacttt 240
 gttatgctaa taatgatttg gtagaccctc tggaggatga actgatccta tatttcttcc 300
 ctctctttat tcctatattt ctctttattt catgaactag gaatacgcaa atcttttagat 360
 aatggaattg tagaatgtgg aggagacacg gtatatgtca aatcattcac aat 413

<210> 24796
 <211> 388
 <212> DNA
 <213> Glycine max

<400> 24796

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 gagatagata gagttgttgc accactacca cgtacacata catacacatc tacacaaaag 120
 aaaggagaca tagagagaac attctgttat tttctaactt tttgcttttt ctgttgcttc 180
 aataaacaaa tagatcttgt tttatatact tacctagcta cgtccagcat ttgcttggtt 240
 tattgtgttt agtgtttctt acatttgcac gcatactcat atccactggt cattcatacc 300
 attctcagtt tctggcattt tgtctgatca gtcaacaaaa tataaatcac taattccatt 360
 ttgtttattc caagtcttac catgggttc 388

<210> 24797
 <211> 388
 <212> DNA
 <213> Glycine max

<400> 24797

agcttttatc cacacagttc aaaccacttg ttcacaaacc aatatagcat ctgggttttc 60

ccccctaagt ctcacttttt aatctatata agcacaaac tcacactcac ttgaagtcac	120
agttgcaagt tcaactacta atatcatatc acaaaatagt ggaggattat tagggaagtt	180
tgattagttt gaaactgcac caatttattg gaaaaaaaaa acaagcttgc aaagaccag	240
tgacataaaa acatttattg aaaaaaaaaa aagcttgcaa aagctcaca aaatgagaaa	300
tgaagcaaat acgtaccttg cattgatgtt agactccaac gaatacggcg gtcacgaacc	360
ccagcgacga tgatggtgag gagcagat	388

<210>	24798
<211>	379
<212>	DNA
<213>	Glycine max

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attatgtgcc	tgaatcggac	atcctagtga	aaagttatga	tcatttgaat	tgctcaagag	120
cttccattgt	tcaatttcga	acgtctcgat	atattatgcg	cctgaatcgg	acatccgagt	180
gaaaagctat	taccatttga	attgctcaaa	agattccatt	gttcaatttc	gaacatctcg	240
atatcttatg	cgctgaatc	ggacatccga	gtgaaaagct	ttgaccattt	gaattgctca	300
agagcttcca	ttgtccaatt	gtgaacgtct	cgatatatta	tgcgcctgaa	tcggaacttc	360
aagtgaaaag	ttatgacca					379

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<223>      unsure at all n locations
<400>      24799
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gagtaccttc agccgctgcg gggtaaggct tggcaggctc cctgggtgga ggataagggtg 360
ctatcttcan gctttctatg ta 382

<210> 24800
<211> 381
<212> DNA
<213> Glycine max

<400> 24800

agcttctaaa cggatctcat ctagctcatt tagttgcaac tttctttcct ctccagcctg 60
atcaatagag aagttgcagg tctttacagc ccagtaggct ttgtgctcta tctctacagg 120
aagatgacat gccttgccaa agacaacccg ataaggagac attcctatgg gtgctttgta 180
ggcagtccta tgcgccc aaa gagcatcatc tagcctgggtg ctccaatcct ttctgttcgg 240
ctgcacaatc ttctctaga tcctttttat ctccctgctt gaaatctcag tctgcccatt 300
ggtttggggg tggatggtg tgtgtcgcaa cctacccttt ggcgggcgag cgaggtgagg 360
gctcacgggt gcgtcttcca t 381

<210> 24801
<211> 378
<212> DNA
<213> Glycine max

<400> 24801

agcttgtaaa ataatggggg acccatcaca tgtggtacta tgtggcgtgc agccgatggt 60
gcacaacaag ttgtacacat gcccaaagcg cgcataaacc taccatcccc tgtggccac 120
ctacaattga gctcacgtac tcccacgtag gccagatcct ctgggctctc aacaccgggt 180
ccacatcaat cctaccaagc ttccccaaca tccaggtaaa acaacattca tacataacaa 240
actatcacag cgaagaaaac agggcatagg cagaagctct gcccaagaca cgactcataa 300
tcacagcttt ctctcactta aagaccccag taacatttcc ttcgttccaa ttcgttaacc 360
attggatcga ctcgaaaa 378

<210> 24802
<211> 382
<212> DNA
<213> Glycine max

<400> 24802

ttgcatgcaa gtcttatgat gaatctggat tgattcaaag agttgtgatg ataacaaaga 60
tgatgactaa aagctcataa gtcataaaca cttatgatta ccactatgat gatctcatga 120
atcaaagaat gagttcaaga ttgaatcacg tacacttcag ggatcaagaa caaagttgaa 180
ttcaagaatc aagaatcaag attctagatt caagaatcaa gagaagactc aattcagata 240
agtattaaaa agtttttttcg aaaactgagt agcacatgaa ttcttttctca aaacctttta 300
ccaaacagtt ctactctctg gtaatcgatt actagattat tgtaatcgat tacttagtag 360
caaaatgggt ttcagaaaga at 382

<210> 24803

<211> 373

<212> DNA

<213> Glycine max

<400> 24803

agcttcaaca atcacattca tggctacaca caaaagaaag gagttaaata gtcatatggt 60
tacacatcaa gagagacaca ctcatccaag gcatatatag ttcaaaaggt ttgcacaaca 120
caaatccaca catcaagaga gagataacct tattgccaat atacacacaa gaagataagg 180
gctcattaag gcattatcaa tcaatattaa gactacctgt gcggcgctccc taaataatga 240
ctgggtttaat agtaataaat caaatcgag aaaccatgga atttttcttt tttgcactgt 300
tattcatttc acggttaatta aattcagaag gaaaattatc actataaagt cctgaatggc 360
tagttcaciaa etc 373

<210> 24804

<211> 370

<212> DNA

<213> Glycine max

<400> 24804

atcttatgac atttggatga tcaagcctcc gcagcacaat gatttccctt gacataaaac 60
ggacactttc tggatccata ttatcaaata gaaccttctt gagtgaaca attgtatttg 120
tttcgagatc acgagctcta taaacactgc tgtaagatcc ttggccaatc tgcataatga 180
taggaaagtt aagtcattaa gaaaaagcta ttgggaaggt ttgaaaaatg taatgttggg 240

gatggagata ataataataa ataagaaagc aatgggtggag gctgtaatga ggatttgcct 300
 tatccaactt ctcaaaggaa tcagccctgc gaggtatcca accaataatg gcttcaccag 360
 caactgctgt 370

<210> 24805
 <211> 358
 <212> DNA
 <213> Glycine max

<400> 24805
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 tctctccttt caaaagaatt gaaagattgt ttaatgggcc aatgcctcaa atgacctttc 120
 attcaatcaa aatatatctt gcaaaaaagg ataaaaacaa tttaaccagc ttttagttct 180
 caaagaacta cgtaggctctg atttccttat cacaaattga tggatacgta ggagcaaggg 240
 aaacaccctt gtcgaccaca aaaagataaa aaatacaaaa ggcatgaaaa gacatataaa 300
 gcgtaataga gggaagagaa aataaattga agtcatattt gcacacttga ttaaaggc 358

<210> 24806
 <211> 368
 <212> DNA
 <213> Glycine max

<400> 24806
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 ataatgcaat ggtagccata accctagcca aggttctctca acctccattt ttccggggat 120
 acaactcaaa tgcaacatgt gcttatcatg gaggagtttt ggggcattcc attgagcatt 180
 gtatgacctt gaaacataag gtgcaaattc taattgatgc gggcaggcta aaatttgagg 240
 aggataatca cttgtgaatt ctggcgttgg caagcgacac tatgcatggg gcaatttgaa 300
 gggtttttgtt agatgtctcc aatgacttat taggattttt aagtttatgc cattattgta 360
 aacaacag 368

<210> 24807
 <211> 364
 <212> DNA
 <213> Glycine max

<400> 24807

agtttgagag aacaaattca gagagcaagg agcagcagga ggaggcaa at ttggacactg 60
atacaataaa aaatatttat gtttaataagt agtaacaaat aaaaacagaa aaatataata 120
agtgaaga gtgttaccaa attatagaac aagtgtatga actgaatgat aatggactga 180
aaatgaactg gtgaggatgg aaatggaaac cgaaatTTTT tctaagtttc aaaaacacaa 240
cattgagcat gaggataaac acgcggtttg gctatatagt gtaaaaaaac ccagagaata 300
actcacggaa tgccctcac aaaacaacag agtcaaaggc taacctcta gcttcagcta 360
tatg 364

<210> 24808

<211> 388

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 24808

agctttgttt tgtaacagta ttttatgtag ccatgagccc atgacataca ttgataaaca 60
gtattcagta tgagaagggtg gtggttggt ntagaaaaa tttactgcac tatatatata 120
atttccatca acttgttatg attaacgttt catttttagtt ttttaattga agcaatattt 180
tgtgtcacat acaacgctgc atttgacaga agtaataaat agttgtcaat ttaaagggag 240
cactaattca tgatacaagg aaattatata aaggcattta ctatcatttt aaatgagata 300
ttttttcttt aattatattt tttttattcc taagatttan aatcttactt tagaaatcga 360
attcaatatt actcagatca aatcaata 388

<210> 24809

<211> 388

<212> DNA

<213> Glycine max

<400> 24809

agtcttatat caacatacat aagtgtagtt gtcgagcgtc atatttggtg atgtgaattg 60
ggctatcatc aggactatga atatcctcaa cttgacaatg acctgcaaaa tgggcagctt 120
ggttacacaa aaaacactaa tcttgtcgat gcaactagcc attgagaata caatgcattg 180
tccaagggct ttggtgcaga gaaaatgaaa taaaaaatat gtatatattt tctcaaataa 240

ttgtcaataa ttgtacaaac ttatttataa tgtttacagt aaacatcaaa tacaacatag 300
 tggttcgtcc tatgacatcc aaacctttct agatcggatg tttttaactt ttaaaaaatt 360
 tgccacccat ttcttgcaaa tttttggt 388

<210> 24810
 <211> 389
 <212> DNA
 <213> Glycine max

<400> 24810

agctttgagc caaaatcttg actcaccata aaccttgacc cagggtgaga atgccaatcc 60
 ttaccctcgg aagcaaaaaa aagaagagaa ggaaaatttc caatcaaagg aaaaaggaga 120
 aggaaaattt ccaatcaaag aggaagcaaa aaaggagaga aggaaaattt ccaatcaaag 180
 gaaaaaagag aggaaaggaa attcccaatc aaagagtggg agaaagcaaa aagaaaagaa 240
 agaaaattcc caatcaaaga atgggagaaa gaaaaaagag aagtaaaaaa gaagatagtt 300
 cctgatcaaa gaaactagaa gaaatgtgca gaaaggtctt ttgaccagac gatatctgaa 360
 caatacagaa ttgtcaccaa atgaacaaa 389

<210> 24811
 <211> 381
 <212> DNA
 <213> Glycine max

<400> 24811

atctgcttct cttttttttg tttttttttt tttacttttg catgtcttat ttcaaggagc 60
 attgtctctc tttgctgaat ttcttatttt tgtgaagttg atggacatgt gaaatgtgaa 120
 aagtggattc gtgatgacaa taatcgttct gaagagtggg aggcgacatg gtgggttaaac 180
 agattgatag ggcgaaaaaa gaaggtgacg gtagactggc catatccttt tgctgagggc 240
 aagttatttg ttctcaccat aagtgtctggc ttggaaggtt accatgttag tgtggatggg 300
 aggcattgta catcctttcc ctatcgacg gtgcataccc aaatcatatc tccttctgta 360
 tgcattgcagg aatattgtat t 381

<210> 24812
 <211> 371

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24812

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gcacttgcatt tatcggtaca atttgttgca tgctggagga gtcaatggcc acaagtatga 120
tacacaagag tatgcctata cgacaccgga tggatgtgc aaccaccctg ctgaccattt 180
gatcagcagt caggggacgt cttttggccg gaacatgcct ccgacgacct tagattatgg 240
gttggacttg aaattttgta tgattttag atgttcttgt tccttttagt accaacaatcc 300
aactactttt tctcatgtta ataaaggtaa ttcgacttgt atgtatgtca ttgtgtgcag 360
ttactggacc c 371

<210> 24813
<211> 375
<212> DNA
<213> Glycine max

<400> 24813

atcttgatgc atataaaata ttcaaataat gtctagggtta attgtaataa ttacattaat 60
taagataatc gtaatctatg tacttgatat cagtctatat aattaaactc aaatgtgttg 120
cttaaacata caaatatcac catatgtttc tctttttctt tttccttaac aaaactcgta 180
ctaaaccatg aagattacac ttaattgaat aacctatgga agcaattcat aggacaaatg 240
aaaacctata cattttggct agatccatgg caatgtcaaa ccatgagtac tctactattt 300
ccattagaaa tgtagaacag tcaaagtctt atatctaccc aaaaatttga gttcataaca 360
aaattgttct ttcatt 375

<210> 24814
<211> 382
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24814

agcttgtgca gagttgtgag caacaaaggg atctaaaaaa tataaactaa aaattaataa 60
tcaaatagta ttgataaaaa aaatgtgcat aaatcaagta caaatccttc aaaacaaagt 120

aagatcaa at agtaatttta gcagaaaaga gaaaaagaag caaaaaaaaa aagataagca 180
 actaaagtta gaagctaaac gtaagaacaa aaccaaacc attgtaattt aaggtgtgtg 240
 tgagagaact gagccgaagg aattgtgacc tatgaagaac aaatcaaagt gaaaatgcat 300
 agaagagtgt cttttttttt aaactaagaa atatatactt tacggcatgg ntcttgaca 360
 accatatcat aatcatccct tg 382

<210> 24815
 <211> 374
 <212> DNA
 <213> Glycine max

<400> 24815

agcttgtgtt gggaatttta aaggcaacca tcaaactttt caaatccat tagtagatat 60
 cacaaatact cagccaaaga gcaatgacct cctaaacaga cgaagcaaaa ctattaataa 120
 tatctgtaga atttgaaata atttactgaa tgaatttgtt gctacatctt catcgtgtgc 180
 tacacacaca gataatgaaa gccatgatca tagcattgta cctgaacaca caaatgatcc 240
 tcttgatcag acatatgaag gctatccaaa tgaaactact cgaaatgcag gtaacaataa 300
 taatcagact atataaaaaa taatattgca ttattaatgt tgggttttat gcagaaacca 360
 atcataattt acta 374

<210> 24816
 <211> 370
 <212> DNA
 <213> Glycine max

<400> 24816

agcttgggag gatttatggg gacccggtgt tgagagaaac gaggataatg gctacgtggg 60
 agtacgtgag ctcatattgaa ggtgggcaac aggggatggt gggtttatat atgatttgtg 120
 gatgtggaga attgttttgc accatcgccc gaccaccacc tagtaccaca tgtgatgggt 180
 acccataat cctacgagct tgaattgatg aagtgtataa tggtgaaact tctgctttt 240
 attcgttgac cacagagtgg tacctagaga tatgttgagg gggtaagag acctgtgga 300
 catcacgtgg cgtgctattg cccaatacca agcttgacca atcccgacc aaccgggca 360
 tagtcagtca 370

<210> 24817
 <211> 190
 <212> DNA
 <213> Glycine max

<400> 24817

agcttatcac gaagtgccac caagaacaac gttttgttgg gcctgaagcc caattccata 60
 acctcccga cgcctcctg aaacgtgggg gcattggcaa cgagcgagca agcccagtag 120
 cgaagcaaca taacaacctt ggattccggg acatcgttgt ggaggagaaa ttgaatgttg 180
 aggagggggg 190

<210> 24818
 <211> 365
 <212> DNA
 <213> Glycine max

<400> 24818

agcttgaaga ggatgcttta atggaggaaa agaaagagag acagtgggag cacgaacttg 60
 aaggaataaa agagggaaaag aagtggagct ctgaagtgt tctcataaga ctttcattca 120
 tcaaagttac aacaagtgtt acacatgctt ctatttatag actaggtagc ttccttgaga 180
 agctttctta agaaaacttc cttgagaagc ttctttgaga aaacttcctt gagaagctag 240
 agtttagcta cacacacca tctaagaact aagctcacct acttgagaag cttccttgag 300
 aagctagagc ttatctacac acacccatct aaaaactaag ctcaccaca tgacatataa 360
 acatg 365

<210> 24819
 <211> 362
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24819

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 atcctttgat caaatatatt atatatttaa caaattaatt tatcatatgt ataatgtatg 120
 tacttatacc ttatcaaaat caaaataaac cattaactca aattagtaat tntcaaccct 180

gtacatgttt agttcaattt aacttatttt ctttaaataa taattcattt tttagtttaa 240
 ttcttatata tttttaaggt tctcactgtt atatgttatt tctaaaataa tcattaataa 300
 atcaataatt ttcaattata tgaaaattca taattaaaat aataacgtta taccttaatt 360
 aa 362

<210> 24820
 <211> 380
 <212> DNA
 <213> Glycine max

<400> 24820
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 cacagtggcc aaagatgcat gggagatcct gaaaatcact catgaaggaa cctccaaagt 120
 gaagatgtcc agattgcaac tcttggctac aaaattcgaa aatctgaaga tgaatgagga 180
 agagtgtatt catgacttcc acatgaacat tcttgaaatt gccaatgctt gcactgcctt 240
 gggagagagg ataacagatg aaaagctggg gagaaagatc ctcagatcct tgcctaagag 300
 atttgacatg aaagtcactg caatagagga ggcccaagac atttgcaaca tgagagtaga 360
 tgaactcatt ggttctcttc 380

<210> 24821
 <211> 380
 <212> DNA
 <213> Glycine max

<400> 24821
 agctttgctt cctatttctt ctctggtttt tcttttcttg ttgccttttg tttttctttt 60
 cttgctgcct gatgcctctg gttttccttc gtttagtgtg gactgtgggtg ttccacttta 120
 ttcttttaaac atttacacac tctctctctt tggcagttat ctactgggta ttacatgttt 180
 ctccattttt ttattttatt gtaaaaagca acttctcatt gtaaaaagca cgtaggcctt 240
 taaagtatcc cactttattt tattgtaaag gttgttttct ctctctcaca cacacacata 300
 ccacttttcc cttctaaatg catttacctt tattttattg taaaaagcaa cttctcattg 360
 taaaaagcac gtaggccttt 380

<210> 24822

<211> 384
 <212> DNA
 <213> Glycine max

<400> 24822

agctttaaga aataatgatt ctaaaatttt tattttctta tttatgatta aggaagcatg 60
 atatttttaa ttactattaa aatattaaat gtgtttattt ttattgataa tattaggaag 120
 atttacaacg aatttttagg atttctcttt taagaaaaga gtagatttaa atagcaatcc 180
 catggaaggg aagttattgc cagcagatgt tctgcccttt cacctccata aacacagaag 240
 aactgtttgt tgttggtatt gtacgtatac aatacaatct tccacttgaa ccgaatctaa 300
 cagccttttt tacgtgtttt gtttatattg atcattgccc catctttaac caacacaata 360
 accaaagttg tttgtcattg aata 384

<210> 24823
 <211> 382
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24823

agcttgaang caagactata cgaggtatct tccttgggta tagcaatatc tctaagggtc 60
 accgggtcta caacttccaa actaagaaac tcgtcatcag tcgagatggt gaagttgatg 120
 aatatgcttc atggaattgg gatgaagaaa aagtggagaa gaacgttctt ataccgctc 180
 aactacctca agaagaagat gaggaagaag acccaggtga accactttca cctccatcac 240
 aacaacaaga tcaagaacta tcatcaccag agtttactcc aagacgaata agatcttttg 300
 tggacatata tgaaacctgt aacttgcca tacttgaacc tggaagctnt gaagaagcat 360
 canagcagga agtatgggtc aa 382

<210> 24824
 <211> 385
 <212> DNA
 <213> Glycine max

<400> 24824

agcttcaact acaccttaaa agtcttgtga atagcatcga gtatcatggt aggatctagg 60
 gtttgaggaa tggtagtctt tgccttagtc caagtgggtg caagaccccc taccatggtg 120

gatgctagcc tttcggggca ccccaagtgc ctgagaatgc tcatagaatg atatttgagt 180
 agttttcccc ttggttacaa attaatgata tcccatatga tgattagggt cactcctcta 240
 ccctgcccct aaatacaccg gtactagaga tatgttgcta tgagagatgt taagggtaat 300
 ggaaaatcca ataacgcctg agacgttagg tgaatgccaa gacctttaga caacaccaag 360
 aggaggtctg aatgcatcaa cgttt 385

<210> 24825
 <211> 369
 <212> DNA
 <213> Glycine max

<400> 24825
 agcttgtaga ctttctcttc ttcacccttt cgaacataac ccggtgggtg ttccacatac 60
 acgtcctctg tcaattctcc gtgaagaaat gcgcttttga catctagttg atacacattc 120
 catccctttt gtgctgctag agctaaaacc atccggattg tgtccacact tgctaccggg 180
 gcaaacactt cggtgtagtc aatcccttgt tgctgagcat agccttttagc tactagtcgg 240
 gctttgagct tatcaacttc accattctca tttaacttgg ttctaaaaac ccatttcact 300
 ccaatcttct tagcaccttt gggcaaagtt gtaagctgcc aggtttaatt ccttttgatt 360
 gcttcaatc 369

<210> 24826
 <211> 375
 <212> DNA
 <213> Glycine max

<400> 24826
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 aattaaatat actctaatta attaagttat ttgtttggat aattaaatta gttattgact 120
 taaatgtgta ctaattgaga tctaaataaa taatgcagtg cacaagaagt cagctcacac 180
 agaataaata atcaagttat tttttggata ggcaaagtaa taaggtaga atattacaaa 240
 gctcttgaag tctaaggcct gaatggtacg cagaaagaaa ctctcgaagc ttgacaaatc 300
 aagacaatgt gcagctttta cattcattaa tttaggaata gggggagaaa aaactatcag 360
 tcgttaagat acatg 375

<210> 24827
 <211> 377
 <212> DNA
 <213> Glycine max

<400> 24827

tttgctgcaa gctttccaaa gatttctgga tttctaaacc ttgaaaactt gagctattca 60
 ttcttttctt ctcttctccc ttgccccaaa agaattcgcc aaggactaac cgcctgaaat 120
 ctttttgtga ctctcttcgc ccttttccaa aagaaaaaag gactaaccgc ctaaattctt 180
 ttgtgactcc cttctccctt gtcaaagaat tcaaaacgac actgtctgag aatccttttg 240
 attcttccct ttccctatta caaaagtgtt caaaggacta accgtctgag aattcttttg 300
 tatccccatt cacaaagtat caaaggttta atagtctgag atctttgtct taacacattg 360
 cagggtacat cctttgt 377

<210> 24828
 <211> 371
 <212> DNA
 <213> Glycine max

<400> 24828

agcttaaatt gcctcttgga tcaatgggtc ataatgtcat ccatgtttct cacttaaaga 60
 agtttaaatgg tactgctact gctgggaact ttagtccttc acctttattg gatacttctc 120
 agaaagaacc tgctgctatc attgacagaa cgacagtcta gagagaaaat cgcgctgtaa 180
 ccaaagtttt gggttcaatgg aaacatcaac tacctgaaga tgcaacttgg gaattctttt 240
 atgactcgaa tcacaagctt gctcactata atccttgatg acaaggattc ttttggctgg 300
 gaggaattga tacacgctta ggaacgtatg tagttagtta gactcgattc tgtaacttc 360
 tgtttagttgg a 371

<210> 24829
 <211> 365
 <212> DNA
 <213> Glycine max

<400> 24829

agttttttgt taaccaagtt gacaaatatg atccctctag tccaatggct ctatggaaaa 60

ctaccattat gattgcgga ttgattatct tattttttta cagtaggcat gatgactata 120
tagcttaagc tctatcccct cactctatct caattttaga agttattact tgctcaatcg 180
aactttttat ttcgtgaaat acaaattgga taaggggtga ttaatgaaaa tttgaaaatg 240
ctaaaactag caaattttca agtttgtgga ttcttgttct ttagccttac caacatccaa 300
gttcagagcc gaacaacatt tgatagtata tttcaccaaa atgtgatttt tatagtgtta 360
gatta 365

<210> 24830
<211> 359
<212> DNA
<213> Glycine max

<400> 24830
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ctcacagtct ttagatttgg gagccaatcc aatccttgtg tccggactct cagccattta 120
tgatagccgc cgatgggtccc attactgctt cccctaagct ctctgtcctt tcttcacacc 180
gcateccatg ccttgccaac tccttgaggt accctcacgt ttgtgggtcac tgaaacctcg 240
tgcatgaaaa ggcgtgatgc tttcgtctga tgacactcct ctcatgggac atccttcgca 300
tgaagataga atcctgattc ttccttcctt ctacgagagg aaccatttaa cagacgcc 359

<210> 24831
<211> 382
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24831

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tgctttgctg atggcttctt cccgttccaa gcttcaattg gagtcttgtc ttttacagac 120
ttagttggac atctgtgag tatgtaaaca gcagtgtaga ctgcttcagc ccagaatgtg 180
ttaggtagtc ccttttcctt gagcatcgat ctacccatct ccataactgt gtgattcttt 240
ctctcggaca ctccattttg ttgaggagaa tatgcgactg taagttgtct ctcaatgcct 300
tcacctcac aaaatctttc aaactcgca gaggtgtact ctntgccacg atcgcttctt 360

agtactttta tccgttttcc ac

382

<210> 24832
<211> 384
<212> DNA
<213> Glycine max

<400> 24832

agcttatcaa catcttttctt ggagaaagag ttcttggggt caagacatga gaagcaatca 60
agtataatgt tacttccttc actaaagcgg tgatccatct ccacacatat tttatcaata 120
gcaacataaa aaatctctac acggtaatga tgaagattag tgatagtctt ccctttctgct 180
cttgaacgac cccgaactgg tatttcgtca tccatatttg gtaccagaat acttttagca 240
acacaaaatc cttggacatc ggcaaaaaaa ttattccagc cactctctct cattgtgccc 300
aaccgagctt tgacaacatc aactaattcc atggcattca caatattaag atcttttctt 360
tgcaatatat ttgaaagctc gttt 384

<210> 24833
<211> 383
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24833

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ataacaaacc ttgatttaac agtggtccta gtctccaata tgagactcca tggatgatgtt 120
ctcattgttg ttcaataaga ctttctgac ctcttctgag cttatgtcta gtaccatgaa 180
caatttattt ataacagaaa gaagacaata ttacaacttt cactatgctt gacaattgct 240
ttgtgaattg ctgagagta tctctcagtc ttttgattta tatttacatc actgcataat 300
tgaatcccaa ccattcaagg attagatgaa ccatttacag caagtgtcca gaatttccta 360
acctanatat atagaagcaa tta 383

<210> 24834
<211> 381
<212> DNA
<213> Glycine max

<400> 24834

agcttgacaca agctatatat cttctatccc ggatagcaaa atttaaaaca ctgatatcag 60
 atagatatga gtgcatacct gaagtcattt tggctggtga cttcaattct acgccaagag 120
 atatggtact agcattccta aaatcttaac tcccctattt cttatTTTTg tctagtttat 180
 aatgttcctg tttgttatat tcctatcttg cccaactctt gtcttggtat ttgaagctag 240
 gtgctagatt aagattgttg ttgcacagaa atcctgctg atgcattaat ctgctagcaa 300
 ctcattggtta ttgattaacc ttcaatctca aaggaaaaga gaagaatggc atagaaatag 360
 ttgctgggaa agggaaattg c 381

<210> 24835
 <211> 390
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24835

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 aatagtccca ctctcccaat ttacacaat catattcata catcattggg gcatttcacc 120
 gagcatttgg tgagcacatg tttggacata aattgcaaga ggatggggac aatgtggcat 180
 gccccattgc ttcagaatac agcctaggcc taaggccttc tcattcaaatt cctcaactca 240
 agaaaacaag cataaaaaa aacccaaact gcccacaaaa tataagcaca tcctcacaat 300
 ttggagcacc aaaagatgaa gaanatatac caatgggaag ctaanaacat caaggattga 360
 atacttactt gtgagagtga ataataaac 390

<210> 24836
 <211> 377
 <212> DNA
 <213> Glycine max

<400> 24836

agtcttttct tgtttctctc cccatttgaa accagcattt ttcttgagca cttcattgag 60
 aggtgctgcc aatgtgctaa aatccttcac aaatcgtcta taaaaacttg ctaagccatg 120
 aaaactcctc acctcgggtca cggacttagg tgtaggccat tcttgaatag ccctaactt 180
 ctctcatca acttgactc cttttgaact cacaacaaaa ccaagaaaca caacatggtt 240


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agtacaaaag atgcattttt caagattggc atacaattgt tcttctctaa gcacagtcaa 300
ggcagatttt aaatgatcaa tatgcaaadc aagtgaagtg ctatagataa gaatatcadc 360
aaagtacacc acaacga                                     377

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<210>	24837
<211>	374
<212>	DNA
<213>	Glycine max

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ttgatggtca atgaaagcac cactgttatc ttggcgttcg agggccaagg aacctccaga	120
actgagaagg agaaagaagt atcgaaagga attttattca tgattcacgt gctgaattac	180
aagggtattta taggcgcgta taggattctc gaagcttcct aacaactaaa caactaaccc	240
ttctaacaga ataacaacca gattcgttct ctctctccta aggctaattct ctgaaccttc	300
acatttgtca cgtgcttcac tctgcatggc cataatcata atctttcaag tatgctggta	360
tgaaccttgc tcgt	374

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<223>      unsure at all n locations
<400>      24838
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ttgcatgcaa gtcttacc	ccttgctagt ataaccagcc ttctcaatgg catccatgag	60
taaaacaaga cctcctgtt	atcttgaaca ttgngagcaa atcctccgtc atctccaaca	120
ttacatgcat cttgtccata	ttttgccttg tacccttaa tacatgataa actgttctac	180
cagaaataac caagttaact	gattgtcacc atatatagat cgctggtgag attgaaaaaa	240
tcattggaatt tatgctatag	ataatatgca gtcaggaaaa atggaattaa gattagctat	300
caaatcatat gtaataccta	cctaagaacc taatattagc acagaaagta atatctgaac	360
tcaccaattc acactcacc		379

<212> DNA
<213> Glycine max

<400> 24839

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ggcggcctag gatcttcttc atcaatggat tcctttgctt cttggaagaa gaatggtcgt 120
ggaatggata aggaagagag agacgagatg ccacttcaag gagaagatga gtgtacatga 180
agctcaccac cgtatgatgc cctggattag agcttggatg aggaacgaga tgaatgattg 240
gagaggatga taagagcaca aacctgcgtg ctctaatagt actctgacaa ctgatggtta 300
attgtcaaat gatcaacgtt gatgaaatgc acacacatgg cctctatata t 351

<210> 24840

<211> 377

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 24840

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cttggtctcg cttttcttct ttttccttcc tttccctttg tttttcttcc tctctaaact 120
ctctgaaccc aaaaaccctt ccctccatg tctatttatg gaaaaagcca tttgggtag 180
gggcagctcg ccaggaag ctagtttctt aaggctgaag gtatttcatg gcctaggcaa 240
gctagacact agcctgngtg agctagtgtc tagaaaattc cagaaaatga ccatgtgtga 300
ccccttggcc ttgcactgta attggtgcca aacaccgtaa tttgactagc agtgatcaaa 360
acatcatatc cgaatga 377

<210> 24841

<211> 366

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 24841

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ttcatctcat atcatacaac aatgaacacc caaaattgaa tccgcaggac tttctaggct 120
tgtaatgggg ttaggcttcc aaaaaatcat ggtttttctt agattcaaaa gcttaggttc 180

taggagagca ttcattccata gataaacctt cactttttca ttcattcaca tcccatactt 240
gcctttttatt taggcactcg gcttcatttc attattttgc agcatacaca cttattaatt 300
tcattntttt atttttattt ttttaacaca agatatacaa ataaattatg tgtatataca 360
gaaata 366

<210> 24842
<211> 440
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24842

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tcggaccg gacccctata gtcacctgca gcctgcagtt ttttaaccca acctttttaac 120
cttcatgcca gaagacctac tcttggttag gaatccaaat tttggtttta aaaataaaaa 180
agcctgaaaa ataagaactg cctgggagaa gttttgctcg aatttgggct ggcccatgtt 240
tgatactttg cacctaagta atatgaaaaa caccttgcaa tagtatgtat atataggtca 300
ataaaagggg catggaaatt ctttgacagg gtgaaagaat aatgaagccc ttcctaataga 360
atgatgatac acaaattcct tttgatgcaa tgtggcatat gtaaattgctt gcatatgata 420
atggaggggaa caataaaatt 440

<210> 24843
<211> 387
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24843

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cattggctcc caggtagtg gattaggcaa aatagaccaa taaaaactca cgggttaagt 120
cacctaacc attgatcaa agtttacatt gtcacctcta cattagtgc tttttgttg 180
ctttgtttcc ttttaagctt ttgtgtataa aaatatattt tttcttgtgt gaaatatttg 240
tttgaattc agttttaact atataataaa attgatgggt aagtttaata tatatttaaa 300
cagtcttgat catttgatta tgaggacttg gataaaattt atattcttca nagttttgtt 360

aatataactt gttaaata attctat

387

<210> 24844
<211> 303
<212> DNA
<213> Glycine max

<400> 24844

atcttgaag ccataacta attaataac gatagttcta caatctccat gtacgcgaat 60
taaataaac aaattgcata ccaaaacgaa tgccttgaaa gataaaggaa caacacacac 120
attacaagca ~~ac~~caaaagaa aaataataac tgaaacttag atttatgtac tgcacacaac 180
gcaattatta tggactatca ttacctctgc attaggtaat ctacaatcca ataagaccga 240
tactagctat tgcggccacg tattcgagtt aactcggacg gaaagttaat atcatattca 300
cta 303

<210> 24845
<211> 368
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24845

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tccagaagca acagccttct ggaggaatct tctggagggc caagtgggccc tggttgctat 120
ttgcactccc atttttacta agtacacccc ctgccttttt ttttgtgatt ctttnttcgt 180
aaagttatgg aaacttacga attttgtaac gatacttggt ttctttccgt aatgttacgg 240
aaccttgagg attacataat catccctttt ttgaattacg gaatgttacg gaacctcact 300
aattgtgcaa cgatgcttcc attagatttc cggtgtgtca cagaacctta cggattgtgc 360
atcaatat 368

<210> 24846
<211> 359
<212> DNA
<213> Glycine max

<400> 24846


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acaaaatatg accaaacttt aatctaaaat agtaaattaa ttaaaaatat aatgtatatatt 300
tagtacttgt aacaaatata atatattata taaatgtata aaaataactc acttataaac 360
gtataagttt gg 372

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<210>	24849
<211>	261
<212>	DNA
<213>	Glycine max

ttgcatgcaa gtttgccaca catttttccc aggcgagcag gtttgcttcc tctcatata	60
acagcctctc ggaggaatct tctagagggc ccaagcgggc ctggttgcta tatgcaccca	120
catttctact aaattcaacc ctgtctatta ttgttgaatc tcttttcaaa atcttactga	180
gactgacgaa tctgcgacga tacttgattt ctttcgtag agagacagaa ccttgtgaaa	240
tacatgacca tgccctattg a	261

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gctcgtcccg ggatcttaga gcgacctttt gcacgcaatc ttaatcattt ttttggatca 60
ttaagggcat ataatacgta taatgggaac acctcctttg acaagttatg atgaatagaa 120
ctatgtgaaa actactagaa acttaaacgt agccgataga taaaaattta tggtcgaaaag 180
aaaaaaaaatt ctcgcaataa tctgaaagcg taagatga 218
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cttgcgataa atgatgttaa catgaatctt tatagtttcc accgactaaa cttgctataa 240
aagctagatt ttattatcta tggatcagaa ttcttgttcc tgttcttgaa ccatgaattg 300
cgttgagtat aggttccttt gacttcagtc ttgctatctt agtgggtgaa acctaatacca 360
taaaattctt accaaaatat tataagag 388

<210> 24852
<211> 362
<212> DNA
<213> Glycine max

<400> 24852

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actggtaatc gattaccaaa acattgtaat cgattacaac ttttttgaaa tcaattggaa 120
cgttgtaaat tcttttgaaa actttttcaa atccattttg ctactggtaa tcgattacaa 180
caatctggta atcgattacc agagagtaaa aactctttgg taaacatgtt ttgagaaaaa 240
tctatgtgct actcagtttt tgaaaaaacc ttttcatact tatcttgatt aagtcttctc 300
ttgattcttg aatcttgatt cttgaatctt gagtcttgaa tcttgttctt gattattctt 360
ga 362

<210> 24853
<211> 386
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24853

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ggttcaacgt ccagaaaaat tttaacaagt ggatcatctt tcaagtcagc agtcactatt 120
ttctcacatt tatcattccc tgcaagctca taatcagtta tagaagtaga tggtgattgc 180
ccatcctggt tggaactaac acttggtgaac cagagacacg agttcatgaa gcacctgnga 240
tgcagcaggt tctaattcta gcaatgtggt cctttcttta agctttttct ctcttaaadc 300
catccctttc aacatctgac cataattttc atcagcgtga tctgaatata agattatcaa 360
gaaagataag ctggaaattt attctt 386

<210> 24854
 <211> 384
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24854

agcttcaacc aaggtgagat ggaccatttc aagtgcctga aagaatcaat gacaatgctt 60
 acaaagttga actgcccggg gagtataatg ttagttccac cttcaatgtc tctgatttat 120
 ctctttttga tgcagatgga gaatccgatt tgaggacaaa tcctttctcaa gagggagaga 180
 atgatgaaga catgaccaag agcaagggca aggatccact tgaaggactt ggaggaccta 240
 tgacaagggc tagagcaagg aaagccaagg aagctcttca acaagtgtg tccatactat 300
 ttgaatacaa gcccaagttt caaggagaaa agtccaaggt tgtgagttgt atcatggccc 360
 anatggagga ctaaagaca ccac 384

<210> 24855
 <211> 387
 <212> DNA
 <213> Glycine max

<400> 24855

agcttgtggt gaatactcac tcttgcatgt gtcccaaat gtctgatccc accacataga 60
 tggattatta ataaaacaaa gcttcgctat caaattattg aactggtaaa attcgccatt 120
 ctatgttcag ggctttatag aaaaatgttt cagctgggtat tatacagaat gtaaaaaaag 180
 tgaacactgt ttacccaaac caccaaaagc agcaagcagc ttcccagaga ataaatgtaa 240
 ttatttgtat ttatttaata aaaacaatca aactcctatt aattatcaat ggaatcaaac 300
 agagtattag ataaagttta caccaaataa gttgtttcct ctacatatgt gattcttgct 360
 gtttagattg tctatgctag tatataa 387

<210> 24856
 <211> 370
 <212> DNA
 <213> Glycine max

<400> 24856

agcttcaaca tcagtatcac ttccaggggtg ctggaactac ttcacatgga cttgatgggg 60

cctatgcaag ttgaaagcct tggaggaaag aggtatgcct atgttggtgt ggatgatttc 120
 tccagattca cctgggtcaa ctttatcaga gaaaaatcag acacctttga agtattcaag 180
 gagttgagtc taagacttca aagagaaaaa gactgtgtga tcaagagaat caggagtgac 240
 catggcagag agtttgaaaa cagcaagttt actgaatact gcacatctga aggcactcact 300
 catgagttct ctgcagccat tacaccacag caaatggca tagttgaaag gaaaaacagg 360
 actttgcaag 370

<210> 24857
 <211> 375
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24857

cgtttttaaaa aacattagga atcttattct tataactctt tcccataagt acaagaataa 60
 ggaagaaata tatgcataat aaaataagtc atgtgataca tagaatgatg aaaagaaaac 120
 aaatcgcata acagaacgta ttacacaccg tgcgattacg attcatataa ccccaaaata 180
 tggagaaaga gcatgcttga taacaattca cttccatcac aagaaaaaag atctgatacc 240
 gtggactgat caaacgcata tttgaaaaag aaaaagaata gttatatattt gatttcagtt 300
 tatggccana aattgacggt acaaaatgta tgaagagagt ttagtttaat taattaaaca 360
 gaatatacca atatt 375

<210> 24858
 <211> 375
 <212> DNA
 <213> Glycine max

<400> 24858

agcttcaaag gcttagacaa gggactatga gtgttgaaga atatagacaa aaaatggaat 60
 tactcctttt aagagctgga cttatggagg aggaagaac aagcatagct aggttcctta 120
 gtgggcttaa tatggaagtg agggacaagg ttgaactcct tccatatagg gacctagatg 180
 agctagtcca actttgtata agagtggagc aacaacttaa aagaaagcct tcttcaaat 240
 cttatggctc tcaactttat ccaaggaagg accaagccta tggaatttta ggggctgcac 300

cttcaaaacc caaggaagat aagggttaaga ccatagagaa atacacccct aagactagtt 360
 cccaagaaag gacta 375

<210> 24859
 <211> 355
 <212> DNA
 <213> Glycine max

<400> 24859

agtttgtatt gacttatacc cagattccac ggtttaccct gtagatagat agaattcata 60
 acttagatgg catatttctc ccaaatgcat cttgagtaaa gtccattgt tatcgataaa 120
 attgctgtaa tcaggctcta cacatgcacg gtgtcagagg gttctccac aggtcatagt 180
 tagggaaagt ctcttctggc aatcctgtcc gtgtctggtg agtaacaaca acatcttcta 240
 caaaaggagc ccaaccata tatggatccc caaaagactt ggacatcagc cctttgtcag 300
 gcttaattga ttctaaacgg agacccatgt atcttcgtgc tccaatgatc agctt 355

<210> 24860
 <211> 350
 <212> DNA
 <213> Glycine max

<400> 24860

agtttgcatt tttctatcga agaaaaaaaa attatatatg caatgatata ataatgaaaa 60
 caaactaagc aaaatcatgt tcggctgcaa aaagtaaaaa caaaaagaag ttcaatccac 120
 atgtgttgaa gtaaaggaac tacatcagat tcatagaata tgttcagaaa ttcaaggggtt 180
 gtttgcgata tttctgcaca caggtataac gcaacaaaga gttgttaaatt tccatgcttc 240
 aatatttgat tagatacaaa atagtataca accagtagag tttatgtttg aaatattctc 300
 acaatacgaa ttcaaagaaa tggaatgaga gaaatacaaa acatagaaca 350

<210> 24861
 <211> 270
 <212> DNA
 <213> Glycine max

<400> 24861

agtttacgta gatctcatga taaactaatt gtcacatagc atgacaactc tacagagatc 60

aagctacagt tatagaaatt ctaccctcaa gctaagacaa gaatgataga ataagggtccc 120
 acgaactcac ttggacagag tatgagtgat gctttaaagt acgcatcgca catcgagagt 180
 actaatgaag actgtgcaaa tccatggaga gagagaatgc caatgccaaag ttattgtatt 240
 tttggcaacg cgagtgaaac tgctggtaca 270

<210> 24862
 <211> 380
 <212> DNA
 <213> Glycine max

<400> 24862

cagctttgaa aacatggttg gtccaaaaac atattttaag catgccacaa caaatattaa 60
 acaagcagtc tagtagaaaa acaacatacc aaaaaattat attagaccat ctctcaacct 120
 ggactacgtt cagtgtacgc tttgcaccaa gaacaagtac ttagcattgg ttctttatca 180
 aacccttcat atgctgctat aacaattggt attctctaag cctctatgag tgattcttaa 240
 ctattctttc ataaagtctc tttgagtttc accccaatat tttttaggcc tctataggca 300
 ctatccaagt attctttcaa acaatcttca gaggttggaa cacccatgag attataccaa 360
 ttaggtacgt acttaagcga 380

<210> 24863
 <211> 360
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24863

agcttcttat ccaaggcact ctcttggttg tgaaactctt tcttccatgg cttattccct 60
 agtagatggg gccttctctc aactcttctc ctttatctta tgctgcatct ccatggtgga 120
 aaatcaccat tgaaggacct cattgaagct caaagatcca gccttcatag aagcttcaca 180
 agcaagcttc catcaagtgg taatcagagc acaagagctt caagtaggtg ctctgaaac 240
 ctccattaat tttcagcttt accttctcct ccattgttgt ttcttcattt ttgtccatgt 300
 atctctctc atgtcttggtg ctaaagtgtg ntaattcttt agaatttcca ccaattaaac 360

<210> 24864
 <211> 365

<212> DNA
<213> Glycine max

<400> 24864

atcttggttct tgatttttcc tcatttcttt aacaagcttt gaacaatata cttgtccttc 60
atttaactgt ctttgggctt ggcggccgcg ctcaacaaag tactttcgac acctactata 120
cgttgatttc accaatgctg ttatgggaat gttgcgacaa tccttttaaaa ccttactgat 180
acattctgag aggttggttg tcatgtggcc atatcgacgt ccttctttat cataagccat 240
cgtccatttt ttctttgaaa tgcgatcaat ccatgttgct atggctggac tcagttgacg 300
aaatttttct aaattttgat aaaaaaaaaat gtgcttttaa ggagtgtagg ctgcataaaa 360
ttagt 365

<210> 24865
<211> 372
<212> DNA
<213> Glycine max

<400> 24865

tcattaataa ttatacaaac tttttttttg ttttatttaa agaaatatat ggtaagatgg 60
taatttcgct attcacaatt atgctcctat aggttttggt cttaccaaaa ttagtcaagt 120
aggctatttg atctctctgt ttagtattgg tatgatttcc aatctcctta ttttaatgtg 180
tgatagatac ctatgaaagg aactttgatg ttcaatctac ttagattgaa gtgtttatgt 240
gtataatcaa gttacataac ttctattacg ttggactaag tatatatata tatatatata 300
tatacatata tatatatata tatatgtata tatatatata tatatatata agaagccgca 360
cagaaagctc ct 372

<210> 24866
<211> 380
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24866

agcttgtag attatggtgt acccgtcaca tgtggtacta gggggggggtc gggcgatggt 60
gcaattcgac tatccacatc cacaaatcac acatatatcc accatcccca gttgccacc 120

ttcaactgag ctacagtact cccacgtagc ccttatactc gttcctctca acaccgggct 180
 cccatcaatc cctccaagct tccataacat ccaagcaatt tcaacatcca aacatcatga 240
 actatcaaaa ccaagccaaa aacagggcag aggcagaaaa ctctgcccac agcacaaaacc 300
 aataccacag tttttcttat tcaaataccc cagtaacatt ctcttcgttc caatttggtc 360
 accgttggat caactcgaaa 380

<210> 24867
 <211> 385
 <212> DNA
 <213> Glycine max

<400> 24867

agtcttgctt ctacttttac aacttttttc acttagattc ttattagtat ttggagcttc 60
 gggtaaaata atgtttcatt cttgtatttt tcatgtcggg aattccatta aggcaacttt 120
 gggcacttaa attcttattt gtatcaggtg ttctatttga ttaaaataat gtttcattcc 180
 taagttttca tgtctaaaaa gccattaaga taactttcgg atctcaaaca catgaaccaa 240
 ctgtcaaaag ataagagaat attactaaga cttgaatata tgaatccatg acggcagctc 300
 tgggtactta gattcttatt tttatccagt gatttggttg aaataatgat tcattcccat 360
 agatatcatg tcaataaaaac catta 385

<210> 24868
 <211> 386
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24868

agcttatgat acttggttaat attttcttac taattgtggt tattttattt ttgtaataat 60
 ttcttttata ataaactcac ccctcgcaat ttttgtaccg tgtggttggt acctgtgatg 120
 atcgctaacc tttgttcggt agagcagaat gacaacagta gtggacaaga agtgagattc 180
 ttttgtggag cgggcgagct gacatgatga cgttgagatt attttgggag agagttgtat 240
 tttgttaatc aactcctcca tagctgggtc cgtaattctt tntgttgatt tgaagatgta 300
 aatcacatat ttaattatat gtatgaacaa atttattttc cattatgtga atgatgtgta 360
 ctangttact atatataat atatat 386

<210> 24869
 <211> 388
 <212> DNA
 <213> Glycine max

<400> 24869

agcttacaaa tacaataggt aatatgaaat ggaagagaaa tggaacgaaa tggatcagct 60
 agtgctccag agagtgattt tctccaaaaa tggctctttt cttcctttgc ttcttacttt 120
 ttttaaaatc aaggaaaatc ttctttcaaa aatatcttcc cacttggtat tagctcaaaa 180
 ccaccattat gttcttatcg tgatgctcgc gttaagcgcg tatgtctagc tagattaagt 240
 gaccacgcgg taagttgcag ggtgcgtgct tgcattgat agttggcttt caaggttggt 300
 tcttgcgcta aacgggcttc ttgggctgag cggtccttat gtgctaagtg aggttgccgc 360
 attgggcgcg acacttcaat tcttcaat 388

<210> 24870
 <211> 372
 <212> DNA
 <213> Glycine max

<400> 24870

agtcttttct aaaccaccga acaacatgaa gttattctaa ttactcatg atattgaatt 60
 tgagtcttag tatgcaacaa cattaaaact ttcaaggaaa aaaaatttta tagttcataa 120
 taatcttatt taatttgatg agaattattt gtaattaata gatgatacat gtagtttttg 180
 aatttttttt tcaaaaaaag tcttactaga aattgctcta tttatttgaa ttttctttta 240
 attggaaaac aaccattgcg aggatataa tattattggt aaataaagaa aaggaaaaaa 300
 aaagattgat gtccatggaa atatttcaag atatacataa attttgacac ctacaattac 360
 tggcggacgt gt 372

<210> 24871
 <211> 375
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24871

agttttngga tccatttgac ctctatcatt taaagaatca agatcatcaa aaccttctct 60
 tccatccgag aagttggcaa actcaatatt cactttcctt cttacatcca catcaagaaa 120
 gaacctcttg aagcatttta atctttcacg agtgagttcc atgtcttgat gtggaggaac 180
 tcgattagaa tcttcaacta accattcatg actataatat ctacaattaa aaagaaatat 240
 atacatgatt aaaatttatg taattctaaa aaaaatgtaa gtaaaaaagt atagagtcaa 300
 ttagctagga tttaaagaat gagctaaaca atggagagaa gtgctactct tagtccaacg 360
 gtcaattaat atgga 375

<210> 24872
 <211> 366
 <212> DNA
 <213> Glycine max

<400> 24872

agtcttatca gatgttgcac ttcggtatca gctcctctta ttgaagaaca atatgcactt 60
 cttgcattgt aaatttgctt tatcgggggtg caactgttgg cattgtgttc cttcaacgtc 120
 agcaagatgt tttttggttt caccatctac tttgtcatat cagcaataat tttcttttca 180
 tccttagtca atcgcccagt gtatggatgt ccaactaagg acttggccaa ttcattgattg 240
 tgaatcccac atatcaactt caccatccaa ccttccccctc catgcactgg tttcccacga 300
 agcctgaagg gacaaccaca tttcctactc ccagtgtctt ttctaacgaa tttctttattc 360
 ctacac 366

<210> 24873
 <211> 270
 <212> DNA
 <213> Glycine max

<400> 24873

atcttgcgaa gtcaaagaag acaataacgc gcggatcgta tcgaaaccga cattgctgct 60
 tttgatgcaa gtaaagcgaa taacaaagaa atagcgggta cagtttgcgt accttgtaga 120
 agactacggt gcggagtggg gtttacgttc gatcgtcggc ttcaatcgaa gatttgactg 180
 aaacggggga gatagtgatg agagagaaag tagatagagt gtatctgatg aaggctaatt 240
 gtgcgcgaga gagaactaga gaatagagta 270

<210> 24874
 <211> 357
 <212> DNA
 <213> Glycine max

<400> 24874

agcttgctct aaatttacat tgatgtttgt atttatggga ggaggttata tgccattttt 60
 gctttaagag taacgtccca ctggtaaaac taactttcca aatgtttgcc ttcgcaggaa 120
 tggccccgag gaagcttgcc tcaaagaggt ccaggaagga caaggcggcc gaaggaacta 180
 gttccgcccc ggagtacgac agtcaccgct ttatgagcgt tgtacaccag cagcgcttcg 240
 aagccatcaa gggatggctg tttctccggg agcgacgcgt ccagctcaag gacgacgagt 300
 atactgattt ccaggaggaa atatggcgcc ggcggtgggc accactgggt actccca 357

<210> 24875
 <211> 352
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24875

agtttccaag gcacaataac atcagtgtat ctttcccaag cctcttgga tatgaatctg 60
 gatctgtcaa atctggcttg ggtaggtgta gaggggtgcct ttcttttct tgaagccatt 120
 tgcaaaatat aagacaaaac acacaagatt accacaggtt ttttctcaag aaaatagaaa 180
 aattaaactg aaaacagagc tgggcactta gcgtagcatg ctgacactta acaaactta 240
 tgaaattaac acaagcgcta agcgagcaa gctgtcactt agctcanaga catganaaac 300
 attnttttct gcagaatagg cttagtgtac aaggcgctt agcctaagtc ta 352

<210> 24876
 <211> 354
 <212> DNA
 <213> Glycine max

<400> 24876

agtttatatg aggaagtgt aagggtggaa ccttcttggt ttatttggtg aacaccaa 60
 ggtaccttga aatatttccc gggggtcaag aaaaccttgg gaccttaaga aggggtgctt 120
 tggcccaaaa ccaacttgaa ccattcccaa ccaacccgg cctaataag taatgagaac 180

ctgggatgga cctaaacatt ccaactcctg gcagtcaaca aaataaaaga acatggacca 240
 caaagcaaag aggctgggtg tggctggcca gctatgaact tgattgatat atgagatatg 300
 gcctctggta atcgattacc aagggtgggt aatcgattac aaggcttaaa aatg 354

<210> 24877
 <211> 383
 <212> DNA
 <213> Glycine max

<400> 24877
 agcttgctct aaatttacat tgatgtttgt atttatggga ggaggttgta tgtcattttt 60
 gttttaagaa tagtatccca ctggtaaaac taactttcca aatgtttgcc ttcgcaggaa 120
 atggccccga ggaagcttgc ctcaaagagg tccaggaagg acaaggcagc agaaggaact 180
 agttccgctc cggagtatga tagtccccgc tttaggagcg cggtagacca gcagcgcttc 240
 gaagccatca aggggtggtc gtttctccgg gagcgatgcg tccagctcag ggacgacgag 300
 tatactgatt tccaggagga aataggcgcg cggcggtggg caccactggt tactcccatg 360
 gccaaagttg atccagaaat agt 383

<210> 24878
 <211> 380
 <212> DNA
 <213> Glycine max

<400> 24878
 agcttcacca ccaatgttac gacaattggt actttgaaga tggtatatag gttttttcaa 60
 tgccacctgg ttaataggaa caaataaaga ttcaaaacaa caaagaaggt tgaaaaggaa 120
 aaaagaaaac aagatggaaa ttacgaaaac ataggaagag gatatgatgt aagttaacaa 180
 gattcaatga tgggtgggaat agatgtgatt cgggaacctt ccagccaagg agagattttg 240
 tttagaattt gtaaaacgga cggtagacaa gaagggttta gattcctcaa cattttgagg 300
 ccatgtaggg tgtaaaacat atgttcctt cacaatgcaa acatatcagg atatactcgt 360
 gaagatactg atgagttcat 380

<210> 24879
 <211> 384

<212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 24879

agctttcttn ccagcttcaa actttaatct tcatggaact catgttggtt cccctatctc 60
 ttacccaaat tgcacttact cctaaaaagg aacattgttt tataacaaat taaggaattt 120
 tcaactaatg attttattaa caaataaatg tttaaagatg agacatagaa tccattctcg 180
 attgtaagtt ctttttaatc taacaaataa gttcataatt ttcaacttat cagagaattg 240
 tctaatactt aatatatata ataatagtaa ttctgataaa gatattcata gataattata 300
 gtagtatcgt ataacagttt gtaatatact ttgtaagtag attntatgat agtgttttcg 360
 attaanaagt aaatttcaac aatt 384

<210> 24880
 <211> 370
 <212> DNA
 <213> Glycine max

<400> 24880
 agcttctagc caaatggact taccttgaat taattccttt gatagtcctt ttgagccttg 60
 tttccctttc cttgttttga agctcactac aagccttaag tgaaaaacca tgatatcacc 120
 atatccttaa ggaatttttg agcttttgaa ttgttttggg aataagtgtg gggggttttt 180
 gtttcattgg acaacttgtt ttgttggtga tgcttcatga tgtatttttg gccatacttg 240
 atgtacattg tatattgggt aaatgttgga catgctgaat gaaatgttgt ttctcaaagg 300
 ctatagagta aaaaaaattc aaaaaaagaa aaagaaaagc aatacagttg agtgaataag 360
 atcttaaatg 370

<210> 24881
 <211> 369
 <212> DNA
 <213> Glycine max

<400> 24881
 tttcatgcaa gcttgggagg attgatgggg acccggcggt gagaggaacg aggataaggg 60
 ctacgtggga gtacgtgagc tcagttgagg tgggcaacag gggatggtgg gtttatacgt 120

gatttgtgga tgtggagaat ttttttgcac catcgccga cgcaccta gtaccacatg 180
 tgatgggtac ccataatcc tacaagcttg aaatgaggaa gtgtggaagg gtgagacttc 240
 ctacttttat tcgttgacca cagagtggta cctggagata tgcgcgggg gtcaggagac 300
 cttgtggatg tcaagtgggg tgctattgcc caaaaccaag cttgaccaat cccgaccaa 360
 cccgggcat 369

<210> 24882
 <211> 371
 <212> DNA
 <213> Glycine max

<400> 24882
 agctttaaaa tttgaattaa aacgttcaat aactgctggt aatcgattac catatatgtg 60
 taatcgatta cacagtgcaa attttgaatt caaatTTtaa tagctgttgt aaatcagttt 120
 tggccactgg taatcgatta ccagagagta aatctgttga aaaaaccttt ttaacttaga 180
 tttcttggcc aaaccttttg cgacttcaat tggaattccc ttcttattta atataccctt 240
 cctaagactc tagagattgt cttgatcatt catcttgaat atctttgtct tgaataaatc 300
 tttgagaagc atatgattca tgtaatcctt tggcatcatc aaaacattca gtttgatcct 360
 ttgtctacat g 371

<210> 24883
 <211> 373
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24883

agtttatgct acaaacattt ataataggcc tcctcagcat caaaaccaac aagagcagaa 60
 taattatgat ttttcaagta acagatacaa ttccgacatg gctcccgacc gcaccaact 120
 gcagaatatg ttcaagaaag agggcgaaac ctttaagaa tacgcgcagc ggtggagaga 180
 tttggtggca caagtagctc ctcccatggt tgagagagag atgatcacca tgatggtaga 240
 cactctgcca gtgttctact atgagaagtt agtaggttac atgccgtcca gttttgcaga 300
 cctagtattc gccgngaaa gaatcgaggt aggattgaaa agaggaaagt tcgattacgt 360
 ttctccacg agt 373

<210> 24884
 <211> 375
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24884

agtttaggct aaattagtct aaactttcgt aagctattta agctgagtct agtccaacaa 60
 gagggatctg aggatgaagc ttagtttaag ttagtctaaa cctatgagga ctgcctaaat 120
 tgagcctagc ccaacaagag ggatctgagg acgaagcttg gattgattca gtccaactag 180
 ggatcgaggt ttagtaattt aggctacaac ataaaacaca aaagcatgtt tgattagaga 240
 aacatcctta tatgcatcag ctggtctggt agaaaaacct aacacttcta cctactactg 300
 tcaatnttac ttgtattttt actgttttta acctagactt agtttaaact tgggtctaaat 360
 catcaattat caatg 375

<210> 24885
 <211> 369
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24885

atcttcattc atcttgggtca aaccattcaa agacttacta ttcaccctta aaacaagttt 60
 tttacctgtg taattataat catatatata caaacatcac aaaccatcac cttataatta 120
 attaattaca tatattttaaa tttaaatttaa ttattcttac aatctaatta aaatcactta 180
 actagacatt aaaaaaaaaat ataatgttac tataataatt tatttttaact aataattatg 240
 gatacatagt aaagattaat ataggacata ggagtctttt ttttattcat taattcggtt 300
 nttaaaatat gctntgtatc caataataat taaaaaaatt aaaagtaatt tatttaatat 360
 agttaacta 369

<210> 24886
 <211> 365
 <212> DNA
 <213> Glycine max

<400> 24886

agctttgatg caacatttgg agaggttaat gaaacaacga gatgatgogc tccatgagag 60
 gttggaatag agatcataat gaagaagaaa ggaggagaat agggaatgat ggtgttccta 120
 gacaaaaccg aattgatggg attaaactca acattcctcc atttaaagga aagaatgatc 180
 cggaggccta cttggagtgg gagatgaaaa tagaccatgt tttctcatgc aacaactatg 240
 aggaggacca gaaggtgaag cttgccgcca cggagttttc cgactatgct cttgtgtggg 300
 ggaacaagct acaaaaggag agagcaagaa atgaagagcc aatggttgat acatggacgg 360
 agatg 365

<210> 24887
 <211> 370
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24887

agtttcatct aacanagcaa taataccaat gggtttctgc aaaagaatgc aacaagtcaa 60
 taagaaaatg aaattcaaag gggaaaaaaa ttatttgtac ataacaatga tganagcaac 120
 agaatttaat ttccaaatga agcaacataa tattcattan gcatgattat ggtaaataa 180
 atcctagata tgcagatctt aacaacttat ccttcanaag aaccaatcc aacacttatt 240
 cccaacatta tgtcaaaatc atatatatga gatccaaaca ttagaccaa agcacagaat 300
 aagacaaagg aattgattta atgcggtcta gttaagtagt tgctttctat tagagagaac 360
 taatctatat 370

<210> 24888
 <211> 426
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24888

agtctttatt caactcaaac atggcaagaa gacagtatat actaggcact gaagatttct 60
 taaaccttat caccgtacc gactattgaa gaaagctttt aatgaaagct aggagaataa 120
 aagtgtcctt tgaccattag ctagaaatga agtttatgat caggtgaagg acatcataac 180
 tatctttggg aagacccaaa gccatcatct aagactaacc tatggaagaa aaggtcaata 240

ttttttatct tccatactgg ttcgatctac atgtatgtca ttgtctagac gtaatgcatg 300
 tggagaaaaan tttttgtgat agtttaattg gaacccttct taacattaaa ggcaagacaa 360
 aggatgggtt gaaatgtcat caagacctgg ttgacatgga aatacgagag caattgcatt 420
 tgatat 426

<210> 24889
 <211> 454
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24889

tgagttccta ggccatagaat tgcattcggg cactcatttt anacattca tgttgccct 60
 atatatacaa aatagtctca caatcccaag cttacaaaac catgctcata tgtcattgag 120
 gcatttcacc aaggacttgg tggacgcatg tttatgcatg aatagcaaga gagggggggc 180
 aatgtccatt gcttcaggat gcacctang cctaaggcca tcccctacaa cccctcaatt 240
 caaaacaatc atgcatgaaa acaaaccaaa attgccccac aaatttgagc acattccac 300
 aatttagagc accaaaagag gaccaaata caccaatgga aagctatana actcaaggat 360
 gagatactta cttgttggag tgagtaggag taccacaaat gacagcaaaa tgtaaccaag 420
 ggtggcttgt gggagcanaa accgtgagtc ccgt 454

<210> 24890
 <211> 419
 <212> DNA
 <213> Glycine max

<400> 24890

agcttcattg cctaattaggc caacttcaa cagcgaaccc caagagactc agcataagga 60
 tgcacagacc aaagttgcgt atgtaaaaca attgtatgac caagtgaagg tgcaaattgc 120
 atacaatatt gagtagctat gccagtctt ctccaacaca atcggatagt aatgaaactt 180
 cttcaacact gagtttgagc tcttaacata acgaaggatc ttgcgaatga tgtaaggatc 240
 tgagctcgag tatcctgtat tgagattcta ggaatacaac ttctcgatgc atgaatgcta 300
 tgagatttat gatttatgca cttaatgttt gaatttaagt atcatgatag agccatatta 360

gagtaaattct tctcttttcag cggcgagccg agaaagcgca atagacacac aatcaccca 419

<210> 24891
 <211> 443
 <212> DNA
 <213> Glycine max

<400> 24891

aggaaggatg cttcaatgga ggaaaagaaa gagggatata aagagttagg ggggagcacg 60
 aaattgaagg aataaaagag ggggagaagt agaactttga agtgtgtctc ataagacttt 120
 cattcatcaa agttacaaca agtgttacac atgcttctat ttatagacta agtagcttcc 180
 ttgagaagct ttcttgagaa aacttccttg agaagcttct ttgagaaaac ttccttgaga 240
 agctagagct tagctacaca caccctctc ataactaagc tcacctcctt gagaagcttc 300
 cttaagaaga ttcctaaaga agctagagct tatctacaca cacatctcta atagctaagc 360
 tcacctcctt gagatgagaa gctagagctt agctacacac tccctataat agctaagctc 420
 acccccatga caaaataaga tga 443

<210> 24892
 <211> 525
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24892

cgccccccac aacccaaaagg aaggcgaaag ggnaacgaaa tacgaannnc annagcaagg 60
 nnttgggact cgagacanca gcgaaaaagc cgggcgggaa caaaagcgaa cgcgggccgct 120
 atcttaccaa aaccggggga agaaagagaa cgagcccagc cgccactcgg acccgcaaag 180
 aaagcacaca cacagaagag agtgagaacc agacgagaca aaaaacgaca ccacaggcca 240
 ggacaaacaa gacagacagc gcacacccaa aacagaacca gacaaatcac aacaaggccc 300
 acgagagggga gcgcgaaacc aacaaagaag aatcgacgac gagcaggaac taaaaggaa 360
 gccaaccaac acccaccgac agaccacac gagcacaagc agacacaatg ccaaagagga 420
 aaccacagtc gccgctacca ggaaagaaac aacaaangca gcaggcgcaa ccacagacaa 480
 gcaggctcaa accacacgca cggaaaggag gccacctggg caccg 525

<210> 24893
 <211> 416
 <212> DNA
 <213> Glycine max

<400> 24893

tgttttggttg tgtttcgcac ttgttccaac aagacacaag acatccatgt ccgctcctga 60
 gccatcgctc gtgtactgaa aagaggagaa tagattggga ccagctcttg gctgggatag 120
 gtggtagaac aatcaattgg ttccccgat ggaaggaagg aaaagaagga gtccttttct 180
 catgtggagg atacccaaac attccgctgg taggaacgag gggttgtatt aactacaatc 240
 ccgcgctcgc tataagacaa ctagggtagc ccatgagggg agcaccgacg gaagaaagca 300
 tgtctccttt ccttgtaagg gatttcgacg caaaaattt caaggctata caaagaatcc 360
 acaaggcatg ggaaaccccg ttaaggaaag atcaagaact tagaggcatt cgtaat 416

<210> 24894
 <211> 437
 <212> DNA
 <213> Glycine max

<400> 24894

cttggggggt gaaaactata taacagcacc aaggttctag tttagctctc tctcctctct 60
 ctcttctatt tttcattttt agtttcagtc tctcttctct ttctctttta ttttcatttt 120
 ttttacaatt ccagttcata cttttagttt tatcaataaa atttcgttct ctatttgaat 180
 aatggaaggc taagtccgca gtgttggttt ctcttgagga tcaagcaaag ttctctttga 240
 gggtctatta ttactgttaa attttgttta gtttttctct ttcactaatt actctgaatt 300
 tggtgctatt aattcatgca tgcttagtgc ttgattaatt gtctctgcgc ttaatttacg 360
 ttcattgctta atgatcgttt atgagtaatt ggtgtgtgtg atggctaata acataatgaa 420
 tgctttatgg ttaaatt 437

<210> 24895
 <211> 321
 <212> DNA
 <213> Glycine max

<400> 24895

ttgcttattc taataaccct acaaaatata attacaataa ggaacctcag aaccaagtag 60

gacaaatatt catagcggat tatgcgcgac tgcattgacat gttatatgtg tatctatgaa 120
 gtgagccacc tcatgattgg ttagttgcaa aagtgcgcca cgtctagaat tatggccggc 180
 taaaatattg accacagcgt aatccaacca tcaataacta gtgaaaaatg gcagattggg 240
 agtagctttg gagacaaaat ggaacgtcaa aatgctaacc cacaggacaa aaagatggat 300
 cacacagtat cacaggtggt c 321

<210> 24896
 <211> 232
 <212> DNA
 <213> Glycine max

<400> 24896

attcatgatg ttggctacac attcacactg tctacaacaa cggcgcctta ataaaaatta 60
 ctctcgactc ggctcgaacg ggaacgcaat aaacttacat gctcttttct aattgcgtat 120
 ccatgttctc attcaattaa tattatctag atacgatagc tctataaaat ctatttttaa 180
 agctagacat catcctgttc atcagcaact ttcaacctag ctaaagacgc tc 232

<210> 24897
 <211> 419
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24897

ttcttttgtg ttaattagtt gcattgtagc gtttagagta attgtttgaa caacaactaa 60
 caaaaaataa ttgtttgatc aatttcaata aacgtcaaga gagaaaaaaa aagagagttc 120
 gatattaggt ttgataaaaa gtcttctaata acactattta ttattaatta aatttcttaa 180
 aaactgattt tgagctataa acataatgag ggatcttgtg tatgtatggt ggaactgagc 240
 ttgattatcc tgtattgaga ttctaggaat aaaacttctc gatgcatgaa ttctataaga 300
 ttttttattn ttgcacttaa tgtttgaatt taattatctt gatagagcca tattagagta 360
 aatctcctct ttcagcggcg agccgagaaa gcgcaataga cacacaatca cccatggac 419

<210> 24898
 <211> 453
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 24898

tcttttcagat cgtaacatca aattacactt atgaatgtat cttaaaaata tgtctaatac 60
aaacaaatcg gaagcacctt gcaagtggag tcatttcgtc taagaaaaat aaaacttata 120
caacaatgac aatcaaatct tgagtcatta gtcgggcagc tacgaggaaa aatcaatggc 180
atgtcgacat tgggaaagca tgatgacaga ttctgaatga aatgtaggct acaattggac 240
aggagatgtc caatgggtgg ggggagcaaa caaaagagaa gttacaaggc atcctcttga 300
tctctcaacc agcaaacaca cataaagaac attctcatga taacacanaa aattagcatc 360
atatcaaact tagtacatac caacttctta taatccacat aagaaccaca caaaanacta 420
agccataaac aagaacaaga tataatgata aac 453

<210> 24899

<211> 403

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 24899

tttctttcac caaataccgt gtggaataaa agagttcatg cctttttttt cttggacaca 60
aaatgaaagt caacatagag aagaatgtga gtagctgtaa atgtaaatat atgattctat 120
aggccagtaa aatcaattta tattttcaac ccccaaaaata ttttcaaatt aatcataaat 180
aggcctatgt gaggtatctg taaacctaaa tatatgattc tatgatgatt tctatctaca 240
atgtttgcta accatcacc actgactgac ccacagattt ataggcagaa ttagtgccaa 300
agaggaaact aaatttgcag taatcaggaa ggaaactaan attgtagtaa tcacaaccat 360
agacatttag tttctaacct tactcctgtg aaagtgtcct tct 403

<210> 24900

<211> 579

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 24900

cgctcacgcc agtcgtcgct actacacaaa cacacatgcg tcaggtgtgt gcgtcncct 60

ccaaccancc ncccnccag cgcgcnnctt tgacccttg ganccttagc ctncgcgac 120
ccaaggatac tgnactcgag agcatctaac caaccagctc agattaatga tttgactgcc 180
acagtgagat acaccccata tgatagaaac actgcagaac gatctgacgg agtcataaca 240
agatcagtat acagggatgt agcatactgc atgatcatgc ccatcatata accacatcct 300
atgatacagt ctgccaataa tgacatggcc attgcacagg aagatgaact ccaccggtac 360
accatgaatg atgtggggac actccgcccc aaccccgatg acaaaaacat cattggaacc 420
agctatagaa ttagaaagag cgtggattaa cgaagtaagg gagcaaggaa caaggctatg 480
acatgagctc agggctgaca ccaacaagaa agaatagact ggtaggaacc cctgctctat 540
ggcaacaggc aacgtaagaa caagcgttct atgtaggag 579

<210> 24901
<211> 314
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24901

ttgcttcttg atgatgaatc aagtttgagt caggtagttt tgatgatgac caaaagccca 60
atagaatgat tttatgattg agtcacctag ttcaagatca agattgattt catgattctc 120
gaagagacat cgagaagaat cctgattcan gagaagatga attcaagatt catgagatga 180
gatgaagagg caacacagtc ttgacttctc cacggaagta ttgaaaatga tgtttcaaaa 240
accatacata tcacagtctt gccttataaa agagtttctt cataatctcc tagtgaccag 300
agtatttaca cttt 314

<210> 24902
<211> 415
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24902

ttgcttctcc cccaattttc tataaatagg gggagaagtg aagtgaaaaa gggttcagcc 60
ccttaggcac ttatctctct ttcgaatttg cttggaaaaa ttgtttctgt gaagaaaatc 120
caagccgagg cgcttctgaa acgttttctg aacgtttccg tgaggaattt cgcgaagggt 180

tcgaccgttc ttcgacgttc ttcattcggtt cttcatcggtt cttcgatctt caacgggtaa 240
 atacctcgaa ccaagctttt cgattcattc tatgtaccgg tgggtggcca cattgtgttt 300
 cgtgtatttt tattctcggtt tcatttactt tntatacccc cctttgacgt gcttaagcca 360
 ttgtatttaa gtcattttct gcttaaccta naaataaaat aaatttccac cgatc 415

<210> 24903
 <211> 441
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24903

tgccacccag ctcgcccagg cgagctcttc tagccctggc gagcagggtt gcttccctcca 60
 gaagtaacag ccttctggag ggcccaagtg ggcttgggtg ctatttgcac ccccatTTTT 120
 actaagtaca cccattgcc tttttttttg tgattctttt ttcgtaaagt tacggaaact 180
 tatgaatttc gtaacgatac ttgttttctt tccgtaatgt tacggaacct tgcggtattac 240
 ataatcatcc cctttttgac ttacggaatg ttacggaacc tcactaatca tcccctTTTT 300
 tgatttccgg tgtgtcacgg aaccttacgg attgtgcac aatattttct tttgttttcc 360
 ggcatgtccc ggaatttcac aaattgccta atgatgggtg ccaagcacct cacaaggacc 420
 anacaaaagt tgcattgtcat c 441

<210> 24904
 <211> 367
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24904

tctannTTTT ctaattactc gccacgatct taatttgatg ttacagtgtg agagagagta 60
 tgatagtgtg gagttatgat catttaagta ttgtaaaaac cagataaaca ttggtctacg 120
 aatttataat tataaataaa gagtttatat ttcgaatgtc aaatgataca tatcttacat 180
 ataagcaggt gatctatgtg tctgagatga gaggagcatg gcctgaggat aaaacaacga 240
 agcgctaggc tcttgtagct catacatata tagatgcac gatgctatga gacaatgacc 300
 tacgacctgt ggagtaagtg atttatataa gagagagacc ctggcattac atcttcagag 360

atatcga

367

<210> 24905
<211> 412
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24905

gatatatcca ctcaacttat gtgcatntta tttcttatac tctcctttta cattagatta 60
tgacttagcc ttctattttc ttattcataa ccatcattat ccaactagta ccttacaaaa 120
caattataag gtataatccc tctcataccc ctaaggtggc ataaagcatt ttcaattgat 180
gacacacatc ttttgcataa ttactagaca tgcattctac tctctatcaa acgggaataa 240
cacattaaca cacatacata acatgatcaa ttactcatag tctagacatc tcatcagttc 300
acattctaca gtcattatca tcgcatacat tcaatatata gtaccaatca tgaaatagac 360
acacgtgctt tacataattg tattacaata cccatcacca aggacaaatg ta 412

<210> 24906
<211> 407
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24906

tgtctttgcg gaacaaagat aattaatggc ccatctttag acaaataaga aacacagaga 60
actatattgg aagcacctgg cttgcagatc atgttagttg tgttatgctg acctctcaa 120
aaaagtgtta acgttatcgt gttgtactca actctacaaa aagttgatgt catgatgttg 180
ttacaaaata cattgcagtt aacaaccttg cactgaaaag gtatatgatg attatgaata 240
cgttttaatg tcttgattaa ttatatagca agtttttagga catactacag attttgaagt 300
acttccttgt aaaccacgtt gggtgttata ttatgtgggtt ttcctttntt atcacgaata 360
aggattttca atccattctt gctttgaact cttaagaatg cgacata 407

<210> 24907.
<211> 323
<212> DNA
<213> Glycine max

<400> 24907

tacattacat atattacagc atttcagtgc actgtgaagt gtaaaacaca atttagattg 60
gatagaacag ataaagggag aatgttcaat taccatagca tggcaatagc tgaccccaga 120
tatgagtcgc tgaaagaaga atccagcctg aatcataaca acgggttaca aactatcgca 180
gaataagtac aaacttatag cattcaggtg tagaataagt aaacaaaata aataagaacc 240
tcatectcgg taaaacgccc agcattgcag attattttta agagctcttc cccagatgca 300
tattccatta caatagcaag atg 323

<210> 24908

<211> 414

<212> DNA

<213> Glycine max

<400> 24908

agtttgttta tatttgcaac cttttcgatg ccagaaaacg ttatcaatgg accggaaaca 60
acatcgcggtg ttactaaata cctcatgtaa ggttctgcat gagcctccaa ataaggaagt 120
ccttcgatct taagtatttg atcatagaca cccttgttga agctgtcagc cacggatttt 180
gagaccaata agactaacat cacaagtgga agtaacaaga gatcattaga gagtcaagc 240
aatatgacac aaagagacac tgtcattctc atggtgccac caaggaagga agcagctcca 300
agtaaggcaa agagtccctc gtcgagatcg gtaatcgttt cgaagagccg gtcgaataga 360
ctgccatagg cagcaccagc acgtatgacc ggaatgaaca gcccggatgg aata 414

<210> 24909

<211> 339

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 24909

gagcgctctg actatgttga ccaagcgctt tgacttttat ctctgncac tgagctgatg 60
atagtatgga atatacatcc tgggtggataa ccatgcctgc ggaagccaac atctatagtg 120
cggccaattc taccagcaat gagagcgcat ctcaccacta cagacctgat ggatcttgta 180
attgctacca tcattatgag agtagcgctg tcgattacat acacttttat agtgaccgag 240

agaccacaaa ttccgcactt tgtgtactac ttgctgctca catcatttac agataataat 300
ctctggcatc aacatggaga cttccacgga cactagcac 339

<210> 24910
<211> 424
<212> DNA
<213> Glycine max

<400> 24910

agtttgtatt aattcggcca gacgagggat caagggttta gtaatttaag ctatagcata 60
gaacacaaga gcacgattga ttagagaaat atatttctat gcatcagctt gtttggtaga 120
aagacccaac atttctacct actgctgtca ttttatttac cttgcatttt atagtttttt 180
tagcataaaa gtttggttaa attctgtttg aaattatcac tcatacatgt tctctcaaca 240
atgcttcgat tctgaactta attcaagcta acattagttc cctgtgttcg atactcagat 300
tcatccattt taaattttaa atacttgacg atctgggtcg cttttcggta aacccccatt 360
gaaatttcct tgagacataa atgaacaaaa agtaactgca ttggagagtc aacacagtct 420
aagg 424

<210> 24911
<211> 445
<212> DNA
<213> Glycine max

<400> 24911

actattcaca caatttaaca agaaacaatg aattatcaac tttgaaaatt aattgcattc 60
ccatacctag atctccttct aaattccacc gaatttatat atgtttaaat gcatggaagc 120
aaggattcaa gactagctgt ggatctttta ttggtcttga tgggtgtttt ttgaaaggct 180
actatggtga tcatttgctt gcagcagcgg gacaagatgc aaacaatgca ttttttgtga 240
ttgcttatgc ggtagtaa atgtgaagata aagataactg gaagtgggtc ctcacattgt 300
tacatgaaga ccttggagac tgcaagcaat atggctgaaa ttttatgtta gacatccaaa 360
aagtgaatt caattgtttt gctttgatca attcatatat agaatgttgt aattctgatt 420
gcctgcatgc atatgtgata gtttg 445

<210> 24912

<211> 411
 <212> DNA
 <213> Glycine max

<400> 24912

agtttgtgtt ggcgaagcaa aaagccattg cacttgaata tggcgattga gaaactttgt 60
 tgttgctttt gtcaacaaat aggacacctc ctatctaagg atccatgcac gggtaaacct 120
 ttgtagtgtt tctacgttac catcatgggt atttatttgt gaaaaatggg gagtcaacca 180
 gcttaattta accacattgc cttgaagttc accttctgtt ggtctgactc ccaacaattt 240
 ttcacacaat tcagcccaat caaaattagt ttgaccaatt aatgggtgcc catcaacacg 300
 cagaccta atatacaaaga catcttgaag agtaatcgta cactctccgc atctcatgtg 360
 aaacgtatgt gtttcgggcc tacatctctc aatcaaggca gtaattaatg a 411

<210> 24913
 <211> 503
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24913

cacgcncnaa tgtacgttgc attgctgtgan tctatagaat actcacgctt gtccttgcgt 60
 tacacacgat ngngtacaca cacatgtgtc tacgattaga catttcagac acaagactga 120
 tgcagcacac ataatgtcta caactcctgc actacataca ttacaccgtt gctgagcaca 180
 gtgaagtgtg attaaccact tgtatagtga agtacacaaa aggcgggtat agttaattat 240
 cataccatgg ggttttttga ccctgatata tagatgctga cagaagaatc gtacctgtat 300
 catatctaca ggtgtcatac aaccgttgaa taagtacaac ctctctcat tcacgtgtag 360
 agaaactaaa caaattacat atatacctca tcctcggtaa taccocacat tgcagatatt 420
 ctcaagatct ctgcaccaat gctatgccat acaataccac gacactacgt gctaaatacc 480
 tcctctcatt atttgacacc ccc 503

<210> 24914
 <211> 407
 <212> DNA
 <213> Glycine max

<400> 24914

agtttcttga gagagtcaaa gatcaaattg agaggaaaaa taaaagctat gctaaacaag. 60
ccaacaaagg gagaaagaag gttgtcttcg aaccgaggaga ttgggtttgg gtgcacatga 120
gaaaagaaag gtttccggaa caaaggaaat caaagcttca accaagggga gatggaccat 180
ttcaagtgct tgaaagaatc aatgacaatg cttacaaagt tgagctgccc ggtgagtata 240
atgttagttc caccttcaat gtctctgatt tatctctttt tgatgcagat ggagaatccg 300
atgtgaggac aaatccttct caagagggag agaattgatga gggcatgacc aagagcaagg 360
gcaaggatcc acttgaagga cttggaggac ctattgatga ggacatg 407

<210> 24915
<211> 454
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24915

tgaatcggac atccgtgtga aaagttatga cgatttttat ttctcttgag cttccggtga 60
ncaattgcga gcttctcgat atgtgatttg cctgaatcgg acatccgtgt gaaaagttat 120
accagttgaa tttctcaaga gcttccgttg ttcagttttg agcgtctcga tatgtgattt 180
gcctgaatcg gacatccgtg tgaaaagtta tgaccatttg aatttctcaa gaccttccga 240
tgatcaattt cgagcctctc gacatattat gcgaccgaat cggacatccg tgtgaaaagt 300
tatggccatt tgaatttctc gagagtttac gatggttaag ttcgagcgta tcgatatagt 360
atacagctga atcggacatc cgtgtataag atttgaccat taggattcct cgagaacttc 420
cattgttcaa tatcgagctt ctcgacatat taag 454

<210> 24916
<211> 416
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24916

agcttctatt tatcaaaata ccaggggccc cctaattgtca ccaactgcag atccagtcta 60
tgaaataatt ggaactggaa aactcccctt tctatttatt agattgtgac tcccttcttt 120
ggcctccaaa tctcgaccat tcgagctttc atgatctgaa cccgaacctc tctctctgtt 180

aaaaccttcc aattaaacat agacctaggt taagtatctg gttatgtgcc tccccacat 240
 tgaaaacaaa gccatcgccc tccctaacca tcgagagtct ctttgtctcc ttctccaatg 300
 aactagccat atctcacact taacatctat tatttgtatc actcacaagc aaggcactca 360
 ctatcacaca acanactctc aacggaggag agatctcacc tagataatca taatat 416

<210> 24917
 <211> 461
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24917

cgcttctatt gggcctaatac tagtcggatc catgtacttg tttcctgtac tctttttatt 60
 gcttcttgca ctttccattt tgcattccga aataggctaa ttacatttcg taatggactt 120
 ttcattatat actgaaaagt gtagaaaaca ataatgagag tgcataaagt ttatctacac 180
 tctttttatt tattatgaaa ttgggcttct gactcatttt gtccattgaa aactgaagtt 240
 gtgttttaat ttaagtagtt gctatttaca ctctttttat tactaataca cttcacttgt 300
 gttatcaact ttaatatatt tattttgaat tttgaagtat gaaattatgg atgaactttt 360
 cttaatcaaa taatattagt tatatactta tatataatat atacatatat aantttaaat 420
 tntttaatat agattgcgtt aaacatgatc aattattgac c 461

<210> 24918
 <211> 489
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24918

agacggttta tagacttgat gacacnggn naaacagctc gcgcgcgagg atcctagaag 60
 acagcggcgg caagctagtt tttagggcgc ccaacggagg gggagtgaga agcttaagca 120
 cctgcgaaca aacttaagc gccgatgaag acagagctat cttctgaaga tcccactcgt 180
 atggtgtaat gtctcaccct aaataactca cgctagaatg acatggacgc agaggcaatg 240
 cagggtgtgtg acgaataggt gagtgtgact tcagagagat aataggcact agtcatacac 300
 acaccacgca gctacgtatc tgaactcatg taacacccca atcgaatcca gcgaagggag 360

cgagaattca tCGgtgtcaa gtctacgacg tcaacagatg gtgacctaaa gggattacct 420
gctactacca atactggcaa catgcataga ctgaaaggga gcgcatccgc aagaactcca 480
tagctaccc 489

<210> 24919
<211> 483
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24919

cgatgcncn ttgatacctt tggaattgct agcacattca gnacactntc gactacgtga 60
cctttgcacc atattacgga gaagcagggg ttgtcccttt gatttatagg ctggcgatgg 120
cttgtgtaga tccacttcct acacacactg cctaagaggt gctccattgc gtataaacia 180
gcacaaagaa ggtacaggcg atgggatcct atcctccctg ctcgttttgt cattgggtatc 240
gaatacctat catagtactg cgtcactgcc gtagcatcat acatacaact cctttaccac 300
acgcggttgt gcacgctgaa tgtataaatt gcgattgcgg atgaattcct acattataca 360
cgacatcttg acattgaatc cctaaggagt aaatgacgaa tactcgctgt gtcgtattca 420
attctaattc acagtaattc acttgcagtg cgtcataagc taactctctc tatattttcc 480
ttc 483

<210> 24920
<211> 315
<212> DNA
<213> Glycine max

<400> 24920

cgagggatca aggggtttaga aatttatgct atagcatagc aactggatc acgattgatt 60
agagaactat atatatatgc atcagctagc tagttataac gacctcccag ttctacctac 120
tgctgtcagt tacatttacc ttgcattata tagaatgact agcataagag ccatgggttac 180
attctgaccg aaatatcact catacatgtg tctgtcaaca atgcgtggat actgaactta 240
attgatgctg acattagtat cctgcgtgcg atactcagat tgattcattt tatatgctag 300
atacctgacg atctg 315

<210> 24921
 <211> 442
 <212> DNA
 <213> Glycine max

<400> 24921

tctctgtctt catggaccaa aggtgtcatt cctgcttgt ttatatgaat ccgttgcgac 60
 gaatgcatct ctgtgaccgc tataactgtt acaaactctg ggctacaacg tactctccac 120
 gctctaaaac tctcatccta tcccaaactg ctactatgg atattagcca caacagtact 180
 agtggaaacta ttcctcagca aattgctaac ttgtacagag acactcaatt gataatgagt 240
 gctaataatt ctagagggtcc aatccaccat tacatgagga agttggctag ctcgtcaatt 300
 ctaaacttcg aatacactac actctctggc tctattcctg aagagattgc atactaccag 360
 aacttgaaga gtctattact tcaatggaat caactttcag gtaccatacc tccaacaact 420
 ggaagggtgt ccaaccctgt ta 442

<210> 24922
 <211> 402
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24922

tgttttgang ctgaggacct atataacagc accaagggtt tagtttagga gtttttttta 60
 gaggagaata atttcagggt ttgcaattc cagtttttac tgttcatgca cactattcac 120
 gtagaataaa attcgttttc tgtaatttcg tttctgcttc aatctacaat ttcattttct 180
 actgattaat ggaaggctaa gtctccagcg ttgttttctc ttgaggatca aacacaactc 240
 tctttgaggt ttgtttatta ctattgaatt ctgattaggt gttcctcttc accaattact 300
 ctgtatttgt tgctattaat ccatgcatgc ttagtgcttg attaattgtc tctgcgctta 360
 atttacattc atgcttaatg atcagtttca ttcatgatta at 402

<210> 24923
 <211> 371
 <212> DNA
 <213> Glycine max

<400> 24923

tgtgtgtagt gtgttgacgt gtgcgtgtgt gtgtga

396

<210> 24926
<211> 347
<212> DNA
<213> Glycine max

<400> 24926

tgcttgtaag tatttattgg tataatttgc ctgttccatt aggcttttaa tgtccttaga 60
ggttacttcc tcgttgacat cttttgtctt gaatggaatt gccatgacag gtttattggt 120
actgtctttg atatttggtg gctgatgttg tgttgaggga ggtaattccg attggattaa 180
ctcaccatcc ttcacttgcc agtttgttat gacatttgtt gttggatcac ctatgatgtc 240
ttgtttccca gggtaatcta tatectttct gatggcataa gcatgaaacc aatcagagat 300
aaggacatta attttgactc tttcaacaaa tgtatagaac ttgtctt 347

<210> 24927
<211> 422
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24927

cgtattacat ggttttcttt aagttgtctc actgacagac atgcaatgtg attaaaaagc 60
ttaattgtat tcgtgagtat gtttgtcttt gttgtcatgt tttgttctat ctttttaacg 120
tagtctcact ggtatgaagg atttatttac cttgcccttt gtttgtactc cattcctcta 180
ttgagctgac ttcattcagt caaatgagta tgtgtctact tactctttta tctatttttc 240
attacaactc cttcattctc atgtgtatat aagtatatcc ctcatctcaa tctttctctg 300
ttattgcatg tcatgctttt ctttcatata taatgaagca tctgaanaga caacattcct 360
tgcagcttcc tgatcatgac cttacgttgg aagcagcatg gcctcaatta tttgttgacc 420
ac 422

<210> 24928
<211> 407
<212> DNA
<213> Glycine max

<400> 24928

ttgtttatcc aatcagatgg gacaattggc tacccaattg aatcaacaac aatcccagaa 60
 ttctgacaag ctaccttctc aagctgtcca aaatcccaaa aatgtcagtg ccatttcatt 120
 gaggtcggga aagcaatgta aaggacctca acccgtagca ccttcctcat ctgcaaata 180
 acctgccaaa cttcactcta ttccagaaaa aggtgatgac aaaaatttac ctaacaattt 240
 ctgtgcaggt gaatcttctt ccacaggtaa ttctgatttg cagaagcagc acattccccc 300
 gcttccattc cctccaagag cagtttccaa cagaaaaatg gaagaggcag agaaagagat 360
 cttggaacg tttagaaaag tagaggtaaa catacctctg ttggatg 407

<210> 24929
 <211> 434
 <212> DNA
 <213> Glycine max

<400> 24929
 actcagcttg ggccgacatg gataatatgg tgggtatggg gttctcgtac tccttactac 60
 aagagcaata actaagcact ccaccttgga aatcttcatt gagttgttga tattgatgtg 120
 cttataaagt tgctgatgat gctccatgga cattgttgtg tgttgagctt ctatggacca 180
 ttgttgatgt tgatggagtg cacatacatg tatgagtatg aagcgtgagg ctgcgttttg 240
 caagttagca cgtaactaga gtaatagtta tcgggggaaa gtgcttttta ttcttgattc 300
 ttattggaca acgctgccaa caataattag aacacatgac aagtaataaa aattgatact 360
 acacctcaga ggtggttgct agacgatata gagtggcaag actactttac caatccgaga 420
 gtgaagtata tcat 434

<210> 24930
 <211> 407
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24930
 agcttgtgga tgttttttagg aactttgaat tagatttctt taggaataac tggccaacaa 60
 aaagtaaaat atcataacag tattttcttt tatctctttt atatctgaat gtgaaaattc 120
 aaaacttata aataatttgt tcttaacaat aaaggttaat tcagtcgatt agaaatatat 180

gatatatctt aaaagaatat gagtttgatt ttactgttg atataaaaat ttgttggtta 240
aataatctaa ttatttctat aagtgtat ttgagtcctga agtcctgttct gattcaggtg 300
agtcccccaa acctaaataa gtgaatcccc aaaagcttgt atcatctgaa agaacttgtc 360
attaaggagt anccacaaaa attactgttt ctattctgtg aggaaat 407

<210> 24931
<211> 449
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24931

tcagtagtaa aaaaaaaaa atcataacat ggtatnatta gatatgctaa ctgattaccc 60
aactatggac cttcagccac agaaaacgac aatcaactat ttttctttct aaactagcaa 120
gcaaggcagc ttgcatgata aatacagaca cattgataac ctactagcca aataagattg 180
ctaagggtgag aaatgggcaa tgtagcttca tgcactcctt ccttgacacc taatgggggtc 240
ttcaagggtcc tattcttaga tgggaggctg gaggcctaca caaacctat gagagctgca 300
gaactgatgc tagaatactc tggacagttt gtttgtgact ctactacct caaagtcgga 360
catgcattc atgggcttct agctgatgac caacttgaaa agcgcagatt ctacttcctt 420
ctaccaatag agctgctctt ctctgtgct 449

<210> 24932
<211> 422
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24932

agcttgcttt ttatagtaag gaatgaaggt tttaggggaa tgtaccgtgg cctttcacca 60
acaatagtgg cattacttcc gaattgggca gtgagtttct tttccttttg cactctaac 120
tacattgatc aatgtctatt gcaactaaag atgcaaggct ctgtgaagca gggtttgat 180
ttacttttgt ttgcttgt ttcagcattc atttcccttc catcttctca tgtcatatgc 240
acaaactata cataaacata gacgaaacat aattgataag cccaaaattt ggagttacac 300
gggtctcatg aatagctgat gattatcttc aaatcaatn ttatttgtct tataatcctc 360

tctaggatac agtcctttaca agctacctga ttgttcatta ccactagttn ggaaaattct 420
tg 422

<210> 24933
<211> 442
<212> DNA
<213> Glycine max

<400> 24933

atgatgaacc aagacatatt gatgatgcca atagcccagg tgattgtttc aagattgatg 60
caagacttct agcgtcaaga atccaatcca agactgatga ttcaagagaa gagatcagga 120
cgccacactt caagacttca tataggataa gtatgaaaag aattttgcgg agaccaaata 180
ccacagtttt gtgttacaga agaattttct caaattttgt aagttaccag agtgattact 240
ctctactcat cgattaccag tgaccagatt ggttttgaaa aagttttcaa atgatttgtg 300
acgtgccaaa acgattttca aatagtgtaa tcgattacac tatattacgg atcgattaca 360
agtgaatctg agcgttgga tgtacatcca attgtgaaga gtcacaactc ttcatcaaat 420
acatagtgtg atcgattaca cc 442

<210> 24934
<211> 249
<212> DNA
<213> Glycine max

<400> 24934

tgctgcatg catgcttttt tttcaatttc tacctagatt gatagtgctt gatattatga 60
gcttgagcat ttctagagaa ctgccactt attactaaag ccatttgaat atacaactaa 120
ccatagttgc taattgtaat cgaatactga ttaagccaca gtgatccgtt acgtatgagc 180
ataatagtat acaccaactg tacatatata atgtagagtc gactcatatc agcaattata 240
ttgtggtca 249

<210> 24935
<211> 423
<212> DNA
<213> Glycine max

<400> 24935

555101 501.445

gaaactaagc ttctgcatat taaggcgtct ctatagagtg attgtctact ttgtagaat 60
tcttgactcg gtcttcgtct aatgaatgcg gtcattgcaa tatctattga ctgcattaaa 120
tgcacattct ttcttcatgc agagaatcca ctctttgcta ttaggggtgtt gaacactaca 180
acagacaaaac acttccttaa tagctagaat atgtatgtgc accagagctc ttcttttgat 240
gacaattgaa cactttcaaa tcttgatttc attgattctt catctgattt gacaaatctt 300
ataagaatgt ttatgcaata catatattag acatagaata ttcactgaac ctttacatat 360
catctttaat atctgatcaa atcgtacttc tattcgtcta tcgcatgaaa cattacaggc 420
aca 423

<210> 24936
<211> 415
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 24936

agtttctttg tgaaaacttc cttgagaagc ttctttgaga aaacttcctt gagaagctag 60
agcttagcta cacacacccc tctaataact aagctcacct ccttgagaaa cttccttgaa 120
aagattccta agaagctag agcttagcta cacacacctc tctaatagct aagctcacct 180
ccttgagatg agaagctaga gcttagctac acacacccta taataactaa gtcacacccc 240
attccaaaaa tacatgaaaa tacaaaaaaa agtccttact acaaagacta ctcaaaatgc 300
cctggaatac aaggctaana ccctatacta ctagaatggc caaaatacaa ggcccaaaag 360
taggaaaaac ctatttctaat atttaciaag aagagaggat ccaactctga cccat 415

<210> 24937
<211> 449
<212> DNA
<213> Glycine max
<400> 24937

gtcggctaga gaggcagggg acttcttttt ttttccttct ctctatctcc agtgacgagg 60
tgcttgaagg ttattgaagg agtctatgtg agtttgctag ctttttttac atgctcatct 120
ccattcttac atcttcagct cactagaatc cttacatctc tcttttgctc cattttcatg 180
accaaggtct acgaggagct caagattcca actcaacca cactcatctc tttgcttctt 240

tgtgtcaaaa aagaggtaag ggaggagcaa ttgatctctt acgacccatg ctatgttgct 300
 atgaagctca acttcattta tgttgtgggt ctggtatgaa actagtaata tgcaattgtg 360
 ctactatgat ttctgggagt tgaattctag aattctgggt tcaaaaaaga gattctagat 420
 ccttaagaaa tcatacatga tatgtctta 449

<210> 24938
 <211> 412
 <212> DNA
 <213> Glycine max

<400> 24938

agcttctttg agaaaacttc cttgagaagc tagagcttag ctacacacac ccttctaata 60
 actaagctca cctccttgag aagcttcatt gagaagattc ctaaagaagt tagagcttag 120
 ctacacacac cccctataat agctaagctc acccccatgc caaaatacat gaaaatataa 180
 aaaaagtccc tatttcaaag actactcaa atgccctgaa atacaaggct aaaaccctat 240
 actactagaa tggccaaaat acgaggccca aaagaaggaa aaaccaattc taacatttac 300
 aaagaagaat ggatccaacc ttgacccatg ggctcaaaaa tctacccaaa ggttcatgag 360
 aaccctaggg ccttcttttag tagctcaagc ccaagcctct tggagtcttc ta 412

<210> 24939
 <211> 460
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24939

tgannattga gtgaggaaaa natgtctctc actaagctta ttcattactt ggtaagatta 60
 caaaatatat agagaaaaga tggaagagag agacagccta ctctcaggcc tatctctgct 120
 aacttctcag ataagcaaaa tattacatca gtcatacatc aagtaaagca agatattcaa 180
 cactccccct caagctggag catataaatc atatgcacca agcttggaac atatagattg 240
 aatcctaggt cctctcaagg acttagtcaa aatatctgtt ggctgatcat tggaactaat 300
 gaactcagtg acaatctcct tggacaatag tttctccga atgaaatgac aatcaatctc 360
 tatgtgctta gttctctcat gaaaaacagg attcgaagca atgtggagag cagcctgatt 420

atcacaatat aacctcatnt gcccaacttc acanaatctc

460

<210> 24940
<211> 417
<212> DNA
<213> Glycine max

<400> 24940

agcttttttat tctggtctct gccagtgaag ggatcgatgt gggctctgaat agaggcaaatt 60
ttagtcatac tgcttagacg aatgagaaaa ctgcggcata tgaacagggt gaggatgaag 120
gagaagcccg tgctgtgact gacattccta tacagccaag ttgcccacca actcaactgt 180
gtcattactc atgcaatacc ataccttctc cttaccacc gccagttat ctcaaaaagg 240
ccatccgtaa aatcaaccac atagtcacc taccgcactt acaatgacta acaccacctt 300
tatcataaac caaaacacca atcaagagat gaatcttgca tcgagaaagc ctgtagaatt 360
caccccaatt tcagtgttct atgctgactt gctcccatat ctacatgatg attcaat 417

<210> 24941
<211> 474
<212> DNA
<213> Glycine max

<400> 24941

ctcagaacac tcaagcttgg aacctatggt ggtgatatgc taagatggac gtgttgactt 60
gtttactcct ctaataaaga gtacaacaaa ttttgtgttt gatgatttag gttttctctt 120
tttctttctt gttcatatgc aacgttcatt tttttctctt atttgcttct attctatctc 180
ctatctctat atatttggca tgggtgtctt cgactatctc acgttccaat tgagatgaga 240
gataagaatt tatctaata tttgtgtctt tttataacctg tatataataa tcacattttt 300
atactataat taaataataa gataaattgt ataaacttta gcacaataga aatgcagacg 360
cgagaactat tactaaaaat acatatagaa tttattaatt ttgggtaata gtttaacaaaa 420
atcaaaaagag tgtagtggag atgggtgacat tttaaaaagt taatagcaaa agag 474

<210> 24942
<211> 411
<212> DNA
<213> Glycine max

<400> 24942

tttcttgctt tgaaaacttc ccttcaccct aggccttaga aactacaatg gttgagtgag 60
aatggggagc tagttgtaga tatacaagtt ttgctatgct ttttcattgg aaaatatggt 120
gatgagatac tgtttgatgt agtcctatg gagcctagca atctcttacg tggaaggcct 180
tggcagtatg ataaggatgt tgttcataat ggtgtcacia acaaatttgc atttgtacat 240
aaaaggaaaa aggttaccct cacacctatg tctccaagtg aggtttgaaa ggatcaaata 300
atatatgaga gtgataagag aacaagagac taaagtgaaa ctttgtaaca taagacacca 360
aactgaaaca tagataaagt atcttattac acaatttgac tattattact a 411

<210> 24943

<211> 442

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 24943

tatagttatt ggaggggagaa taaaacaatc caaaatttat tgtacctttc aagtaacgaa 60
gaattctttt tgcggctttt agattaggag aggtaggagc ctccataaag cgacacacaa 120
ctcccaccgc atatagaata tcgggccttg tattggttag ataccttana ctccccacaa 180
gactcttgaa gatcgaggag tctaccttct ctcccttcac aaactttgat aacttcaagc 240
caccttccat aggtgtgttc acaggattgc aatcaagcat attaaatttc ttcaacactt 300
cttttggtga cctttcttgt gagacaaaga tacaccattc tttgtttgct tcacttccat 360
tcccaagtaa tatgacatga gtcccatatc tgtcatatca aattcacgag acatggactc 420
cttgaagtct tcaaacaaat tt 442

<210> 24944

<211> 419

<212> DNA

<213> Glycine max

<400> 24944

ttgcttatac aaatagaaaa gagaaagaaa gtaattgcat tattaggcta aaataaaatc 60
tagagaaatc aacactaatt tctaaagcca tttgaatatt aatttagcaa tagtttctaa 120
ttatatttga atactgatta agccacagtt tccggttaca tatgagcata attgtatata 180

<210> 24947
 <211> 219
 <212> DNA
 <213> Glycine max

<400> 24947

gcatcaatgg ggctaaacac acctgcagat catgatgatg gctggctcaa attcctacaa 60
 aggctatcac ttttcaattg atgaacattt accacacttc gtgtacgtat accataatat 120
 atagattaat atgcacaagt tggatcatgca aacagaatgg acctaaaata tgaaacgtag 180
 aaacccatca taactaaaga cattaacaaa actaacata 219

<210> 24948
 <211> 368
 <212> DNA
 <213> Glycine max

<400> 24948

acacaccgct cataactaag ctacacctcct tgagaagctt cattgcgaag atgtgtacag 60
 aagttagagc ttagctgcac acaccacta taatagctaa gctcacgccc atgcctaaat 120
 acctgaaaat ctgacaagaa gccctatttc atagactgct ctaaatgccc tgaagtacaa 180
 ggctaacacc ctatactact agaatggcca aaatacgagg cccaagagac ggagaaacca 240
 attctacaca ttctaccaga agaatggagc caaccttgac ccatgggctc gacaggctac 300
 ccacaggttg atgagaaccc tagggcctcc tatagtagct caagcccaag cctcttgagg 360
 tcttctat 368

<210> 24949
 <211> 378
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24949

gctgaangcg aggaggaaaa aatggcactc actaagctta gcatttcttg taagaggcaa 60
 aagatataga gaaaagatgg aagacagaga cagcctactc tcacgcctat ctctgcgtac 120
 tgatcagata agcaaaatat tacagcagtc atacatcatg tcaagcaaga tattcaacac 180
 tccgcctcaa gctggagcat ataaaacata tgcaccaagc ttggaacata tagatggaat 240

cctatgtcct ctcaaggact gagacaaaag atctgatggc tgatcattgg aactaatgaa 300
 ctcaagtaca atctccttgg acaatagtgt atcccgaatg acatgacaat caatctctat 360
 gtgcttagtt ctctcatg 378

<210> 24950
 <211> 225
 <212> DNA
 <213> Glycine max

<400> 24950

tggcgctga tgcggtatct tctccttacg catctgtgcg gtatttcaca ccgcatatgg 60
 tgcactctca gtacaatctg ctctgatgcc gcatagttaa gccagccccg acacccgcca 120
 acacccgctg acgcgaaccc cttgcggtcg gatagaatat catgctatat tatgtatgct 180
 atacgaacta attagatgtg agcactgact tgaaatagcc attcg 225

<210> 24951
 <211> 285
 <212> DNA
 <213> Glycine max

<400> 24951

tatgtttgtc tgtcaaacag tataatagta gactgctgat tcatcgatta cagtaacata 60
 agaaagagac actgaatcgt gaccgtagct gaatataact ctctacgag agtcactcct 120
 atatttgcta gctgaaggca tacagcttct accagtcaca tgatccatat tgaagtgacc 180
 ttttgtacac atctactggc agcatcactt tctacgtctc tgatatactc aatagtggga 240
 gactttgagc agatcaacca tggaaggcaa gcctctaata tactc 285

<210> 24952
 <211> 446
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24952

ctcaagctgc ctccctttta gggcattttc tgccacaatc tagttgctta caatcgttac 60
 ctttgcatta gtaaaaccaa tcgcatgcta atatgtaaaa tgtaaaatat aataaaagta 120

aagaattaaa tatgtactaa tggtagtca atttctcatc tcatttgtgt tgacttgtgg 180
 catttaacga atattctctt ctcttattga cggacataca ctactacat gaattcta 240
 tctacttgtt tatgaaggta actctgacta taataatggt ttaagtaa aatatataac 300
 ggaaaaatta taaatgtcgt ctttattaaa gggtagacagt gaccaacgta cttaattatc 360
 aaaatgaaat ataaataaga taataatggt agatcactan ggctaaacct ttgtcaagat 420
 gtgaatcaat acttgccatt gatcct 446

<210> 24953
 <211> 411
 <212> DNA
 <213> Glycine max

<400> 24953
 gcttgcttca tgggagtga cagaggcccc tgcacatgt tcaaaaagat tagtaatcta 60
 attccatttc tttcttgcac ttgcaaatgc atgaaagaaa cttgtgttgg catctccatc 120
 actcaaccaa tagattttcg ccttttgctt ccaaaagtgc tcttcttgat gaagcaaaga 180
 gtttaagtgg ttatttaatt ccatatattg agcaactgag aggatcttca agttgtctac 240
 aagcctccat atctaatttg cacttgtaa tgtctgatac gaataactac tctattctac 300
 tgctacagct aaggaactaa ggaaagctaa ttgaggtaat tgttctcatt cctttattca 360
 ttccactgct tgatatactt atactaagtg ttctaacaga attggaaatg g 411

<210> 24954
 <211> 446
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24954

taagaaaaca tcagaagttg ttctttgttt gcatatttaa caaagggttag atttgagtgc 60
 ccttattcaa ccccttctag ggaccaactg atccacctca ctttccctta aggattccat 120
 tttaaaatca aaaaggattc ctatttggtc gacctcatca aacatcatac ttaagctctc 180
 aacgatgatg aggaatagaa atggcgatat ggatctccct gcattgatca cctattctta 240
 cttcttttgt tggactcctg ttaactaata gtgacaccat cgttatcact ccctaactct 300
 taaccttctt ttatttgga attgtgagcc tcattctctc cattatataa tccaagaaat 360

cccaactcat agaatacataa gaattttcan aaccaactnt anataaaaaga gtttcctttn 420
tctccttcat cattgcatca accaac 446

<210> 24955
<211> 411
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24955

agctttgagc caattcaaac gacatattct ttttactcgg atgtctgatt gagtcctgta 60
atataacgag acgctcgaaa ttgaatattg aacctctgag gaaattcaaa cgacaataac 120
ttttttctcg gatgtttgat tgagactcgt attatatcga gacgctcgaa attgaatggt 180
gaagctctga gccaaattcaa acgacaataa ctttttactc ggatgtctga ttgactctcg 240
tcacatatcg agacactcga aattgaatgt tgaagctctg agccaattca aacgacaata 300
actttntact cggacgtctg attcagtcct gtcatatatc gagacgctcg aaattgaatg 360
ttgatgctct gagcaaattc aaacgacaat aactttntac tcggatgtct g 411

<210> 24956
<211> 477
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24956

ggaccttaaa actaagctta ancattcaat ttgagcgtct cgtaatttta cgggactcaa 60
tcagacatcc gagtaaaaaat ttattgtcgt ttggattggc tcagagattc aacattcaat 120
ttcgagcgtc tcgatatatt acgggcctca atcagacatc cgagtaaaaa gttattgtcg 180
cttgaattgg ctgagagctt caacattcaa tttcgagcgt ctgatatat gaccggactc 240
aatcagacat ccgagtaaaa agttattgtc gtttgaattg gctcagagct tcaacattca 300
attttgagcg ttcgatata ttacgggact caatcagaca tccgagtaaa aagttattgt 360
cgtttgatt ggctcagaga ttcaacattc aatttcgagc gtctgatata attacgggac 420
tcaactcagac atccgagtaa aaagttattg tcgtttgaat tagctcagag cttcaac 477

<210> 24957
 <211> 420
 <212> DNA
 <213> Glycine max

<400> 24957

agcttggttt tgaaagtttt ttccttttc tttttggaat aagaatagta ggaactatga 60
 agtagataac aacccagtt ctaccgatg caaggaaatt agtaaaggcc caatagagaa 120
 agttttattgc acagcttaaa ccacaagcaa tttttctcgt gaaaagatgc ctatcaaaag 180
 aattttgaaa gcttttagga tattggaact tgtgcattcg gggaaggatga gagtctgtca 240
 aaatccttca tcatttgtgt caatttgtac tccttgaaag gttatagtgg gaataatgtc 300
 caattaatgg tgatacaata acaccttggt taattagttc taaaagttta aaattaagtc 360
 gtaaatttct taccgaaaaa ttaattatga catattggag tggtgacagt gggtataagt 420

<210> 24958
 <211> 462
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24958

tgactattac ttatacatt caaccaatga gagaaatatg tctatattca tttaaagact 60
 gtggatgggt tgttttagga ataagagcca agaacgaggc attgctgcct atagggaagc 120
 taccatgaat atggaattca tccacaaatc tctgaattc aggtttcaaa acccccaaa 180
 attccttaat aaaattgaaa ttaaagccat ttggccccgg acatttgtct ccaccacaac 240
 tccaaacaac atctttaagc tcttggtctg aaaaaggggc agtcateccc tctttgcctc 300
 tgatcaatca tagggaaata taccatcc agagaaggctc tgaacaattt atcttcagta 360
 aatctatgga gaaagtatnt gagaacttca ttcttgacta aattaggctg ctgaacccat 420
 acaccatcaa tgaagattcc ctgacaagca ttgaagtttc tt 462

<210> 24959
 <211> 369
 <212> DNA
 <213> Glycine max

<400> 24959

agctttgtgt tatcgattac aaggatttgg taatcgatta ccagtgacaa gttttgaaga 60
 aaaatcaaaa gatgtaactc ttccaatggt tttcagggtt ttctaaaggt tataactctt 120
 ccaatggttc tcttgaccag acttgaagag tctataaaag caataccttg atttgcattt 180
 gaagactact tacaatactt acaaccttta caaacaactt ttccacatat tcttttacia 240
 cctttgaatc tctttgaact tcttcttctt cttcttcttc ctcttttgca aaaagctttc 300
 taaagttatc tggtttccga accttgataa caacagtgtg ctattcatcc ttttctttct 360
 ctactccct 369

<210> 24960
 <211> 459
 <212> DNA
 <213> Glycine max

<400> 24960

tgttggagat tgctgaaaat catgggagaa ttggtttcta ttacatgcct acaagtgtgt 60
 ataaaaagag gattgatttg gaaaggaaag agaaatgctt agctcgttta caagggcgag 120
 aaccacgggt ggagaggggt cctatctacc acatcattga gagctttgtg agtacagggt 180
 gtatgtacga agatcatgtt gctatgctgg atgaaaagac cgatcatgat caaccaaatt 240
 ggggtgcagcc atgtcccata gactttgatt gaaaaattga catatcatag agcaacccaa 300
 gatttatgtt tctaatttga tgtcaatcaa ccaaactaag gaagatgaag agaaggatta 360
 aggattgtct cctgatttgt tgaggatggt ggtgcatgac aagagggaaa taaagctgca 420
 tcatgaggaa tcagagcttg ttaacctgcg cactgatga 459

<210> 24961
 <211> 403
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24961

agcttttatg aaagaatata cgaaaattat ctatgtgaat cattcttttg ttcattcttg 60
 taaagttttc tgtaaattct tgtaaagata caaaactttc aaaacacctt gtatactttg 120
 agagaaaaga ctgaaaatgc taagtggat atccatctat aagatgatca tactttagtt 180
 ggtgaacaac cttccaacaa atcatgttta tttatttaga gccaatagtg gcttggtaaa 240

acaaagaatg atgaatttaa gttaaacttg nggtacatat agtaaagtga agagtcaaaa 300
 gtgacagtaa aaaatactta taacattgat aagttagtga aaacttacta tatgggtgtc 360
 aagaactaga tgtagtcttg aggttgatac gaactagtat aat 403

<210> 24962
 <211> 458
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24962

tgtagcanat ntaattacag aagcaggtgc aaatcgtgta cttgcttgtg acctccattc 60
 tgggcagtc atgggctatt ttgatattcc agttgatcat gtgtatggcc aggtaacgga 120
 ttattatgtc actagcatat agtaatagca tggaagaata aaaagcattt aatctattaa 180
 actcaaacia acatggcttg gatgtgttgt atattagtaa tttgtaattg atagtccatc 240
 caataatttg ttaatttatt gtatttatgc atctcaagtc tgaattgaaa tgaagggaca 300
 accttctgga aacatgctta ttttactgtt tatagttata tgatcattta aatttacgat 360
 ttctgtagta aagaaacttc aaatctagtt ttctttagac gtgctaaaat cttctattgt 420
 tctatttata ccagatcagt cacacatgga ctctaattg 458

<210> 24963
 <211> 390
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24963

agtttgtaat tcttgatccg cagataacat aggtggtaaa gtttgggact ggaacgagtc 60
 accaatggct ttcttgagga aagagaaata aaatgtcaga tgaattttac tgtgagatgg 120
 aagatccaac ttataagcaa caacaccaac cttgtttaac acctggaaag gaccataaaa 180
 ccaaggggag agtttttcat taatcctttt agccaaggat cttctcctat aaggttgcatt 240
 cttcaagaac acccaatcac cgactgcata ttctatgtct cggtggcatt tgttggcatt 300
 tgctcacatg atatcttgag acttcaacia attttctctt agagtagcca ataattcatt 360
 ccaagaaatt nttagtttat tgacttcttc 390

<210> 24964
 <211> 450
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24964

tcttagccaa cttgcttcct cactagcagt tgctagtgt atcatctcag attccatagt 60
 ggactgagct aagatcattt gtttctttga cttccaagaa acagccccac cagctatgct 120
 aaatatatag ccgctgggtt ctttggaaac atctgagaga gtgttccaat ctgcatcggt 180
 gtatccttca agtacagcgg gaaacctttt ataatgtaat ccaagattta tggttctttt 240
 aaggtaacctc attacccttt caatagcgtg ccagtgtctc atactagggtc tactggtaaa 300
 cctgcataat aatcccacaa cataggctat gtcgggtcta gtacaatcag tggcatacct 360
 aaggctgcca atgatacttg cgtactcagt ttgtcgtata ccttcaccag tgttcttaaa 420
 cagttntaca ctnggatcat atgggtgtact 450

<210> 24965
 <211> 413
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24965

atcaataggt tagcccatcc tcttatgact ctaatgggtg tggactacca taatacaaat 60
 agcgtaacta ttttgaattt tctctttcca gagaataaaa aaaaggagag aaagataaga 120
 gtataaacac accaaggggt aggaccgtta ggtggtatac cttttccatt tgatgttggt 180
 agttatagtt cattgtgtat aataatcaaa tgaaatattg atgttcaatt nttttcctgt 240
 tatcttagat aagttagatg tctgtaacta tatgtatagt aatccctaag attaagagat 300
 aattatctct tgctgtatca ttattatcat gtgtatatat atacagtcct agttgaggat 360
 tctcttcttc aggaaatcaa tgaaacattc acatttaatt caaggtggta tta 413

<210> 24966
 <211> 443
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 24966

ngtggcaaat gaagaagaag aagaaggtaa ttaagatttt catagagatt cagaggttgc 60
agaagaatat tgtgaaagat attttaaag cgagtcaagg ttttgctttt atagattctt 120
catgtctggt caagaaaacc attggaaaga atatgacctt gagaaaaact gaaaaccggt 180
ggaagagtta catcttttga tctttattca caagttgtca ctgataatcg attacaaaaa 240
ttatgttata gattacacag agctttttat gaaagaatat gactcttcac aattgatttt 300
gaatttcaac gttcacatac actagtaatc gactaccaat atcttgtaat caattacacc 360
atctgaaatc tattggaacg ctgcatattc gttaaaaact ctttgaaatc aaactttgcc 420
actggttaatt gatacaagaa act 443

<210> 24967
<211> 394
<212> DNA
<213> Glycine max

<400> 24967
ttgcttgta aagagttgat cgtgttgaga taatccaatt atgaccagac agaaccctttt 60
aaggataggt gccctgaaat tgcattctgt atgcagtata agagtggagc aactactatg 120
ccacgtgact aatgttgaca atacggggccg gtccggctcg ctgatggccc gctataaacg 180
ggccagagta gcccggtgct ctgagcataa cagtctacct tacgtaatat ggcccatttc 240
aagttggtcc acggtccacc catgaactca ttgatatggt attgtgagaa tatggatcga 300
cttttatcga tgctggtaac atcagtttag aatctaactc tagtctttat ataattcggt 360
ataactataa ctaataatat actatgacgt aacg 394

<210> 24968
<211> 431
<212> DNA
<213> Glycine max

<400> 24968
tgttcttgat tcttcctcag ttctttatca tgctctgtac attatagtag gccttcattg 60
aactgtcttt gggcttggcg gccacgctca acaaagtact ttcgacacct actgtacgtt 120

gatttcacca atgctgttat gggaatgttg cgacaatcct ttaaaacctt attgatacat 180
tctgagaggt tegtgtgcat gtggccatat cgacgtcctt cccttcgtaa gccatcgacc 240
atttttcctt tgagatgcga tctatccatg ttgctatggc tggactcagt tcacgaaatt 300
attctaaatg ttgatcaaaa atgtgcttgc atggagtgtg agctgcataa aatgagttat 360
gaataacaat tgtagtata aatgaaagta aaataaacgt gaccatcaaa tatgaaatct 420
tacceaat t c 431

<210> 24969
<211> 409
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 24969

ttgttccatg catagtcgcc aatacttgta gttcgatcgt acaagtttct caacaccaaa 60
ctgcatattt gatcagtttc ctccagtttg cgagtccttg aaaaccagtt cagtctgcct 120
taaattctta gagcgaagaa ttgaaaaaga gaagaaaaaa agcccagatc aaagtccaag 180
ctctagatac cataaaacaa ataatgaat atttgaaata tgaaaaacaa gataccaaat 240
ttttactttt ttttgttata ttttcgcttc tttttatttg ctttgattct tttccaaaat 300
aaaacatacc atcaaagtat ttttctatga acactcctat aaaaattaag tgagtttcaa 360
aaatattttt cctttgaacc agactgacca tataatctnt atcttaatg 409

<210> 24970
<211> 455
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 24970

gaacttaa at ctaagcttca tgtaaagatg ggcgaagagg gatttattac tttcgaactt 60
atacacacag atctaaggg gtcgacaaaa acacctagat atagtggatg tatagatact 120
atggcagtat atgatgatta cactcgatat acttggttgt atttcctaaa agagaatagt 180
gaagttacgc ataagtcagn tattttctct gacatggtgg agaaagaccg tgatggaaca 240
atcaaagct tgacgagcga ctatggatga gagttcaagt caacagattt cacagttttt 300

tgtcctgaga aaatggatcc atatgcaatt tacttgtcca gatacactgc aacaaaatgc 360
 agtggctgag aggaaattat ctcatctaac tgtagtgagc ttgtcatgga tacatgacaa 420
 aaatctgcct cgagagatat angcagaagc aattc 455

<210> 24971
 <211> 148
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24971

atatcaaagc tcatgatagc ttcacaatac taataactaa gacactaaat actatatttatt 60
 agttcttatac acgcgnaatc acacagcgat agttcgact aaatattgca cttatgaaac 120
 tacagctcta acatacttat gccattg 148

<210> 24972
 <211> 372
 <212> DNA
 <213> Glycine max

<400> 24972

tactcaagct ggcggtgcac attatggaga aagacattgg cacctttggt ctcatagagc 60
 agctctatat aagaggaggg catttattaa gaaatgaaca ataaatcatt acaatttata 120
 aaattacatt actcttgact ttttttatac tctgcaatca tttctacact aaatattatg 180
 attacgcaag acccataata gtaatatatg catgtcggtc tattcggtta tctgctcttt 240
 tgcgtatctt gaatatgctt gtgacttgca atgatctata tatagatata tatatatagg 300
 tcaaaactgt gacatctatc ctcataagtt gtaataaata ataaacatta atatgcgtct 360
 ggtatacgta ta 372

<210> 24973
 <211> 422
 <212> DNA
 <213> Glycine max

<400> 24973

ttttacacct cccgctagta tgcttcaaaa taaatatata tatatatata tatatatata 60
 tatatatata tatatatata tatatatata tatatatata tatatatata tatatatata 120

tatatatatg tgaaagcgta gaggcacttc tatcgtagac cctcttctgt ggggacaacg 180
 tcgataccat ctgtgtacac atagagagac atatagtact gaaacgcgtg gtatatatgg 240
 acttctaacg ttatgaacgc gcacagctag acatactcca ccttagaggg tggagaacca 300
 cgctgagac acatatcgtc atattgaccg catcgcggtgc gcgcccgtta gatcgcccta 360
 cacagtcaca tttggccgta gggcgcgggc atcctagaca cccttctgat gcaacaccac 420
 cg 422

<210> 24974
 <211> 450
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 24974

tgtaggcaat atggtgagtc atgaattttc taacattgng ttaatagcat atattacat 60
 actaggattg tctggttagc catcatcaat ctgtcatagt attgattaag caagcttaga 120
 gcaaattgctt tggcaatatc tacaggatga aaagaaagtg tagatgacta gcaacataaa 180
 tatctctatt catactttta tctatttaat tagtgattga agatacatga tctgaaatca 240
 atatgaatca aggaatagat taatctatgt tccaaaattg ggaagagact aaaaatacaa 300
 gtgtacatta acattattac tgttgtcaag ttctcaagat accttcttaa gaaaacctta 360
 agcataatat ttaaagcctt taacaaaaat ttgaaaacat agcaatgaaa agtatgccat 420
 aactcttaac caatgtgtaa agaattctact 450

<210> 24975
 <211> 368
 <212> DNA
 <213> Glycine max
 <400> 24975

ttgcttgaga tgaggaagtg tagaaggggtg aaacttcttg cttttattcg ttgaccacag 60
 agtgggtacct ggagatatgt cgcggggggtc atctaggact gactgttagg tttactcttt 120
 tgtttttgaa tgggtagacc tgatgtatag gaatttgatg attgtatata tgtggctgaa 180
 gccaccactg tggacacctt tgctctggat gacactatgt attttgtaa actaccatat 240

ttaggacagc tttagatgat gaatgcattt atgatcaatc ttgttatttg acaagacagc 300
 atgagccaac tttatctgta taagggtgta tcgacctgat tttattcttc tatattcacg. 360
 tgacgacc 368

<210> 24976
 <211> 445
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24976

ntgagctaan atcctgactc accataaacc ttgactttgg gtgagaatgt caatccttac 60
 cctcggaagc aaaaaagaat agaagggaaa tttccaatca aaaaaaaaaa aaaagagaag 120
 gaaaattccc aatgaaagag aaaaaagaaa agaaaggaaa ttccaatca aagagtggga 180
 gaaagcaaaa agaaaagaaa gaaaattccc aaccaagaaa tgggaaaagt aaaaaagaaa 240
 agaagaaagc tcccggtcaa agaaactaga agaaatgtgc agaaaggctt tttgaccaga 300
 caatatctga acaatacaga attgtcacca aatgaacaaa aaaggaagga aaggaaacca 360
 cgacctanaa tggctcttct cctttaatta ccaacaaaaa ttccgtgctg tagcgacct 420
 tttttctcgc cccgcactan acaaa 445

<210> 24977
 <211> 413
 <212> DNA
 <213> Glycine max

<400> 24977

agttttattct aagttcaacc taccaccctc agactgatgg ccaaactgaa cggaccattt 60
 agtcactaaa ggacctttta agagcatgtg tattagaaca aaaaggaggat tgggagtgtt 120
 ttctgttggt gatagagttc acctataaca atagttttca ttctatcatt ggcattggctc 180
 catatgaagc tttgtatggt agaagggtga ggacaccctt gtgttggcta gaacctggag 240
 agaacttcac cttaggacct gaagtgttac aacaaaccac tgagaaggta aagttgatcc 300
 aagagaggat gaagattgct ctgagtaggc aaaagagtta tcaagataag aggaggaaag 360
 acatggaatt cgaggctggt gatcatgtat tcttgagagt cacctcttgg act 413

<210> 24978
 <211> 601
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24978

cccacaccat accctcnacn cgcgagtctn gntgtgtaat aacagcacct caatananag 60
 catcaccacc acaccccaca gagcgcacct ttgancctta gaattgactn cactntcana 120
 acacgnnaca ccacannaaa cncaagctcg agctaaaatc ccgactcatt atacaccttg 180
 tctcttggag agaatgtgag acgcttacct tcggaagcaa aaaagaatag aagggaaaact 240
 ctccatctaa aaaaaaacia aagagaagga acaatccac tgaaagagaa aaaagaaaag 300
 agatgaaact tccaatcaaa gagtgggaga aagcataaac aaaagaaaga gaattcccaa 360
 ccacacaatg ggaaaagtaa aaaagaaaag acaacagctc ccggtcaaag aaactacaag 420
 aaatgcgcac aaaggtcctt tgaccaaaaca atatctgaac aatacagaat tgtcaccaaa 480
 tgaacaaaat aggaaggaaa ggaaaccacg acctaacatg gtctttctct cttaattacc 540
 aacaaaata ccgagtgtga ggcacctctt ttctcgcccc gcacaaacca aaaaaacaaa 600
 g 601

<210> 24979
 <211> 412
 <212> DNA
 <213> Glycine max

<400> 24979

agttttttta ttatggggta cccatcacat gtggtactag gtggcggtcg gacgatggtg 60
 cacaacaagc ttccacatc cacaatgcgc gcataaaccc accatgcctt gttgccacc 120
 tccaactgag ctacgtact cccacgtagg ccatattctt gcttctctca acaccggttc 180
 cccatcaatc ctatcaagct tccacaacat ccaagcaaaa caacattcat acagcacaag 240
 ctatgacagc caagcaatac agagtcaatg tagataactc tgctcaacac atcaacaaaa 300
 atcacagctg ttctcacgta aagaccacag taactattcc ttogatcaa ttctgtaacc 360
 gtaggatcga ctccgaaatt gtactggacg tctatattgt ataagcttgc at 412

<210> 24980

<211> 346
 <212> DNA
 <213> Glycine max

<400> 24980

gcaaacagac acccccaaag gagcggacgg taagagacac aaaaaaacat tgcaaacgca 60
 agaatccaag aaaaagacgg acaacacaca agaaggaaga tcgcacagcg caagagcgca 120
 actggagcac aaaacgccga cagcataagc agctaagatt atactaagac caatcaaaaa 180
 acaacaaacc gacgatcgag gcaaagacca gaaaaaaaag gacaaagaac acaacagaaa 240
 aaccgagcaa cggaaagacc gaacaaaaaa aaaggaaata cgagagaaaa aaaaaaaaaa 300
 acacccgcct caaaacccca gagaccggaa acgaggaaga aatacg 346

<210> 24981
 <211> 122
 <212> DNA
 <213> Glycine max

<400> 24981

cctgagcgag agctgatatc cgtaacacc cgttgacgag aatacctaga caactcaccc 60
 tactgactta cattcactcc ttatgccttg cgatggacaa tgagtaagtc caatcggcac 120
 cc 122

<210> 24982
 <211> 413
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24982

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 cttgacccaa atcggggacct accaatagaa ccaaagttat caaaaggagc gtgatcctaa 120
 ccgcgacctg tcaatagaac caacactatc aagttcttac ttaacccaag aataaaggaa 180
 aaactttcac aatagagaaa ctctcaaatt tcattgattt tcaaattctg ccattggaga 240
 gtacaagagt ttccaattta tagactaatc ttgaaatgct ataataaaat cccactaata 300
 tgcacttacc aaatgcattg ataattgcat gtcactaaat gaaaataaac gacaataaag 360
 atgaanataa attcccacta gccactaaat gacctagagc attctagaaa cat 413

<210> 24983
 <211> 437
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24983

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 aatctcttga attatgaaga tgttgtccat catctttttg ttcttaatga aagcagtttg 120
 agtttcccca ataatagtct caagcactgg ggctatgcgg ttggccagaa ttttagacac 180
 aatcttgtat aacaaattac agcagatat gggcttaata tgattaacct gtgaggcctg 240
 atcatgctta ggaataagcg caataatagc atgggtgagc tgcttttagaa tttctccagt 300
 tgtaaagaat tcattatccg cttcaaagat atcatgacca gtgatattcc aagccttctt 360
 gaagattaaa acattgaaac catctggccc aggagctcta ttgttattca tcacagacat 420
 aacgttccaa acctctt 437

<210> 24984
 <211> 374
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24984

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 acaaatgaga cacagggtcat taacaaaatg cggaaaataa aaattaaatc atacctacaa 120
 tcattgccat gaagcgttgt attgttttgg ttcttccaag ctctatgtct gtctctatct 180
 agatggcgga tcataatgaa tcttcagaga tgagctcaag gaccaaata catgtgctat 240
 atatggcatt ctaccatcaa gaatgcatta agtagtcatt accactcatt atagattgtg 300
 ataattgatt attggtcatt accaccatt aacagtaatt caatctgggt ccagaaactg 360
 acgagcgatt caat 374

<210> 24985
 <211> 453
 <212> DNA
 <213> Glycine max

<400> 24985

catgcattaa tcaacaattg aacacgtata tgttatcaaa ttttcttttc agaactatac 60
ttactaaaat ctagagctgt ccctcgtaa ggtggacgtg gccaatgtag gctctaagat 120
ctcgcacgtt aactgagag tagcctttgt taaaaggaca agtgggggga cctgccaaat 180
aaaggacttc gacactgaaa taagtacgag agttaagtga gaataaattt tgtaaaaggg 240
tgagatagaa cctggtactt atagagtggg gtggaagctg caggtcctta tttgttgagg 300
ttgttacggg gttgtaacaa cccttgacga taatgactag ctagtacata attgtagctt 360
acacataatg ttgtccttat agatcattga atacttgcca caatatataa aggtctcaac 420
atattcatat aatgggtact tatagataac ctg 453

<210> 24986

<211> 585

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 24986

acccgcgacc ccgcgacccc cncaantagn gtgtattaac ncctccgaac canttcccat 60
ttncgatnnn ncnnnnnncc ggggcggggg gnattaggac gtcgtcgaac atccgagagc 120
gaaacgagct ccgcacccga ggatcctaga gagacgagcc gcaggcacgc ttgctattgc 180
atgcgaccga ccgccagag agagaaaggc ccacggtcca gacagctcag acagacactg 240
ctgctgaag atccggagag acaagagctc caagcgcgac acccccacat accccgagaa 300
gacagtgcga gcgacagaga gatcctcgag gtgaaggaga cctcgcccca ctaagagctt 360
tgccagcaca acgcatgagc aactcagcgc ggcacaggac gcccgggacc acggaacgct 420
aagacacacc ggcggagcct ccacgcagga ccgagcgcaa atagaccaa agacgatcaa 480
gagcgcgtag agagctcaca gtgcaatccg caaccgcgga acacacgcca ctacctngca 540
caccgacaac gccgctccag gaaggccacc cacaccgcca accccc 585

<210> 24987

<211> 394

<212> DNA

<213> Glycine max

<223> unsure at all n locations
<400> 24987

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tgtcgtaaatt ctgaagtgga tttcaagttc ctgtgttctt tgttggtttc tcaagtcaag 120
aattgcgaag taacacattc ctatTTTTTgg tatttattgc tctttattat tattattatt 180
attattatta ttattattat tattattatt attattatta ttaagtcatt ttttacgaaa 240
ttggaggatc tgatggagca acttctccag caattgatgc ttttaaccctc tctcatactt 300
actctctgct gttagctata attcaattta actgtccacc atcttttctt gcattatgta 360
gaattctact catcttaatt ctctgcttta tatt 394

<210> 24988
<211> 463
<212> DNA
<213> Glycine max

<400> 24988
ggaccttaga aactcagctg accccaaata ataataaac catgtgacct ttttgtataa 60
agaccacttt ctagctcagg cctagagaag acatgtcact cagttaggaa atcagctact 120
tgaggacaac aacagttgta tacaatgagt catctatgga catgttgact tatttgctg 180
gttcacaaca gacatcttgg tatcgacca agttttcatt gccataagtt ggcatatgt 240
gaagatgcca aaccactcgc ctagaggaag agagagatgg gccgaagagc aagtagaggc 300
actatgggct tataggtgca cccctcagtc tacaactcag gaaattcatt cttggctaac 360
atacgggata gacacaatgt tacatgttga agtaggatag gcctttctcc gaagacatta 420
ttttttcgag gcccaaaaca acgaagcact ataggtggac ctg 463

<210> 24989
<211> 334
<212> DNA
<213> Glycine max

<400> 24989
tgtttataacc tcaactacacc atacatttct gaacataccg ggagtatcga atgagcgaat 60
gtcatatctt gaataatac tatcctgcac tcttgaatcc aggaattaaa ttgccatcat 120
caaacatggg gagattgtct aagcaaagac tttcatgttt tgacgatgca atgcgaccat 180

gcgcttctca agtataatth cacatcctac tcctagaatg gactcgggaa tgttctcagt 240
 taaagttcca ccaatataac tgcccctata agactttctt ggaacaactc tagtactcgg 300
 caatgttcca tgatcatatct taaatgcatt ctat 334

<210> 24990
 <211> 551
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 24990

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 cnatgaacct gantcctngc atgcaagaca caanaaaccc aagntgggag gantaggagg 120
 caccacacac atgtggcact atttggttga cgggcgaagg cgcacaacaa gcgtcgcaca 180
 ttcacaatgc ggcataaac ccaccatgca ctgcagccca cctacaaccg agcacacgta 240
 ctcccacgga gcccatatcc acgagcatga gaacaccggg accccatcag tcctccaaag 300
 cttccacaac gaccaaacia aacagcattc aaatagcaca agcgatcaca gccaagcaaa 360
 atagagcaaa cgcagaaact ctgccaaaac accaaccaga tgacagctat actcacttag 420
 agaccccagt aacaagcact tggggccggg cgattaaccg aaggacaaca cgaaaagcgg 480
 acaggaagca ttacacataa gcctacactc caccgtggga ccactagaaa acaacagaac 540
 gattctgacc g 551

<210> 24991
 <211> 541
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 24991

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 agagagnnnt tgtgtgagtc gtggacagca naggaacagc acgcgngagg aanagaaga 120
 cggcagcagc atttatthtt tgctgcgaac caggcaagga gggcttgact cctcaacgag 180
 catgagaacc aacagaacgg gcatcccatg accacaaatc caaacgttga aaccccgaaa 240
 aacagcactc acggtaacgg ccacgcttct aacaagaata atgctaccaa tggcaacacc 300

aacaacaaca ctgccacaca tcaacctgga atgaaagccc aacccaagc aactgctaca 360
gaagtgaaca tgctcacaac gagcaacccc accaagaang gcgatacaaa aaaaagaggg 420
aacaccacct acgcaacagc cagaacgcta agtgacatga ataaaaatcc aagaacacac 480
atgcttgagc aggattacac caccgcagcc gagagaccta gagcaaagca ggagcagaaa 540
g 541

<210> 24992
<211> 164
<212> DNA
<213> Glycine max

<400> 24992

tgcttggtta agggagacat gatacatgta agacttggtg ggatcaagat caagggatgc 60
ccgacattat ttccatgaca ctatgcagga agatgatcgg aaactttatg caagactgga 120
catgcatgct cctatgggcg ctgaagcgcc agatgatatg ggca 164

<210> 24993
<211> 425
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24993

ggacctaaga aactcaagct ctcttgga aaatgcattaa gagcttcttg tctctttatt 60
atgcccccat ctatcgacag ttacattga catggctcga gaggcacgta agacactggt 120
acctatcgaa aatatggcac tcgatacatg gggggatgac gacaccacga cctcaacaca 180
gctctgcat gtataggatt ggcgtaatca ttactccctt tgatggccct taggctctcc 240
tactgaggt gcaatgtctc cttccttcc atggccaaag gnatgctgcc cacagagaag 300
ttgagagggg gcagcgagcg cgtgtaaggt accctcaccg cattgtgccg acgtatacta 360
ctactacgtt gtccgtcagt ggcgaacata ttggatggct cagagccacc tacagcatga 420
tcccg 425

<210> 24994
<211> 416
<212> DNA

<213> Glycine max

<400> 24994

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 cctacaagca gaaaggggaag caagggaaag ggtgatcgat tcattgcaca gagaagcaat 120
 gatgtggatg gacaggttca cctttacttt gaatgggagt cagagagctt acccgactgc 180
 tatccaagga caaggcaatg ggagatgaga actcgactcc caaagagggtt cacaggctcc 240
 tcaattatctt ccaacaaatg attatctgat ggccacata attaagagct actatggcaa 300
 ttgtattgtc gctgtgaatt tgattagata aaccctgttt gttccccaat aaaatgatgt 360
 tgatttaatc ctgtgtgttt aaaactctat gtgaatgcaa tacttcgaca acttat 416

<210> 24995

<211> 243

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 24995

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 ttgggttaga ttgagggttt gattgggatg gccctatgcc tacaatgcat tttgaagcaa 120
 tggggcatgc cacatagtcc ccgttctctc gctattgatg cctaaacgcg cgcccaccaa 180
 gtgttcagag aaatgcctca atgtccttaa cgtgtgacta ttgttaagaa tcaacccatg 240
 ggg 243

<210> 24996

<211> 385

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 24996

tttctagctc attgctgcgg aacctgtgca tgtcatggct tcaactctca aggagcatga 60
 gtaccaagag attgggtatc ccatgatcac aaatccaaat gtttaacctt ctataaacag 120
 tactcatggg aaccgttatg cttctattat gaataatgct atcaatggca tcaccaacaa 180
 caaactgcc aatcatcacc ctggaatgaa tgcccaaccc cttgcttctc ctacagattt 240

gaacatgctc tatttgagca accccaccaa tcagggtgat aattaataag gagggatcac 300
tagctacgct tcatttgcca ctctatgtgt cttgaataat aatccaataa cagaattctt 360
agttatgctn ttacctatgt atccg 385

<210> 24997
<211> 417
<212> DNA
<213> Glycine max

<400> 24997

agtttgactt ttaccagta ttctttgtcc taccaagtca ctactggctc taagcaaate 60
aacaagattt gttggaagat tgctcactga ctaaagtatg attgtctaata agacgaatat 120
atcacttagc acttttagtc ttttatctca aggtatacaa ggtgttttaa gagctttgta 180
cctttacaag aatttacaga aatctttaca tgaaagaatg aaagaatgat tcacgtaggt 240
gattcatgctc ttgtttcttg aatgcttctt ctatatatag cgttcatgctc caagtatttg 300
ttatctctca acagttggat tcttcgcttt ggtcttcggt tgatgtcttg agtctgttgc 360
aacacgtcct tttttcatgc aaaaactatg ctaataggat aatatgtctt gtacttc 417

<210> 24998
<211> 466
<212> DNA
<213> Glycine max

<400> 24998

ttgagccaaa atcctgactc accataaacc ttgaccttgg tgagtatgctc tatecttacc 60
ctcggaagca aaaaagaaaa gaaggaaaat ttccaatcaa agagaaaagca aaaagaaaag 120
aaggaaaatt tccaatcaaa gagaaagcaa aaagaaaaga aagaaaattc ccaatcaaag 180
aatgggagaa agtaaaaaag gaagaagaag aaggaaagaa agtccttgat caaggatcga 240
aagaaatcag aagaaatgtg cagaaaagtc tttggaccag acaatatctg aacagtacaa 300
aattgtcacc aaataaacia aaaaggaaaag gaaaccacga cctgaaagtg gtcttctccc 360
tttgattacc aacaaaaatc ctgtgcgtcg gtgacttgtt cgcctcgcgc aaaacagata 420
cagataagga aaaggccaaa aacacacaaa agccgataaa cccacc 466

<210> 24999

<211> 415
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24999

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 gtgacttgct tcaacctcta tgctgtgact gtcactgcta tagcaacaaa cctcatgcgt 120
 gttgctataa gtaccataac ctattttctcc attctcattt cttgttgaga aagcttccgt 180
 ccccgcacca cgtcaacgcc acgagtttct ctgcgaatct ttgaaccccg tgggtgcttc 240
 gttcttcgtg cgcgccactt gattgactgg cttgtcgagg taaacaatgt ttgttgatgg 300
 ataacacatg ttaacttcaa aagtattaac gttattatat tgcaaatggn gacatctaag 360
 taatatatta ttgttgggaa catcatgggt ggttcgaata gttcagtatc acact 415

<210> 25000
 <211> 453
 <212> DNA
 <213> Glycine max

<400> 25000

tagggggatg atagggatta attgtaagca attatattgt atgattctca actcccacat 60
 taaaagtata agattctaata gtaagattta agacttaaaa caacaacagc tagcttttac 120
 tgggtgttta tcccaagatt ttatcaatc agtatocaag tccttgtcac acaccatggc 180
 attattagac ttgacacaaa taccaaattc taaaaaatgt tattaaacat aatattactt 240
 taataacttt ttccgatgt aatttttctt gatctccac tactagtctt cttgactctt 300
 gagagctttc catggaataa tgctctatt tgttccaca tgctgcctag gagccaatgt 360
 tatatcatct agttatgaag agcatgtgac taacaagcta tgaagcaca acatagacat 420
 cagacacgat acagacaatg atactctgac atg 453

<210> 25001
 <211> 412
 <212> DNA
 <213> Glycine max

<400> 25001

agcttgctct acttgaaaag cctcttttga atggtgactc taatgtaagc aacaattatg 60

ttcccattaa ggctagagga aatgaaaatt taacctggta ttcaaagtgt ggatttttca 120
gcattcttac tttctcatgg atgattcctt taataactct agggaatgag aagacttttag 180
agcatgagga tctcccatat cttgctactg atgacagtgt ggatgggatt ttgccaactt 240
ttacaaacaa acttgagtca gagtgtggta atgtgataac aaccctactc tagtttcata 300
acaaccctac gaaaatatga ggttactgca cacatgaaca aactacact agtgtgataa 360
caaccctgct tacactatgc aaacaaccct gcttccagt tatgtttgtg at 412

<210> 25002
<211> 454
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25002

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accatagcaa tagcaacaag aactgcatag acaatctttg taataatttt ataaagtcac 120
attctttttc ttttttatgt aataaatatt ttgtatttt ttatgtaata atttctttct 180
tttcaaakat ttttatttta tttatgagtc ttgctaacca aagcccttag gacattgggt 240
aaggaactaa aaggggaaag tatttagtgt gtaaatacata gggaagtgt aaaaaaatca 300
tggaacaatgc aattttctgt ctccaataa aaacatttct actttaagat ccttaacaaa 360
ttatacacc gttcttgga tagaaaaaga gtaattctac atccttgtag agtgtatggt 420
cactaattct cctacttagt aaataaagaa agta 454

<210> 25003
<211> 401
<212> DNA
<213> Glycine max

<400> 25003

agtctctttt gtttcttca aatttttatc ttctgcttca aagcttcttc acgacattct 60
tctctttcct ttgcaatttt tctcctgaga tctgttattt cttctacatt tgcttatggt 120
tccttaacta acgaagcaat tctcaacttt agtttttcat tctcctcaat gtaccaaacc 180
aaatcactcc cctctgtaga aaatgttggt cacatcatca gaaaatatct tctcctcaat 240

agaatttggga atccacttaa aaaatctaca atacctagta tectacaaca caaaacaaaa 300
 ataaactgag acgacatttg cttatgttcc aataggggca actacaaaaa cccttcctcg 360
 agttcttgtt agtgtgtgat gacgaccac acattgcact c 401

<210> 25004
 <211> 456
 <212> DNA
 <213> Glycine max

<400> 25004

gctctactgt gtgctctctc taaggaagaa ttcccaatgt cacaacttca aaagtgccaa 60
 acagatgtgg tgatacaaat caacttatag gatcgtcttg aaattaagca aacgaaacaa 120
 gaggaacttg actctaaccg tgatctatca gtagaaccaa agttataaaa aagtgtgacc 180
 ctaactgcaa cctaccagta gaactaacac tataaagttc ataaccgaag aacaaagaag 240
 agctctcaca atggagaaaa caatcaaatt ctaattaata ttcaacttat tctctttgtc 300
 cattacatgg tttcctattt ataggaaaat agaaaaaaca agtaataaaa aactaaagat 360
 aagataaaat cctaattgggg gaaacacatc ttagtaagat acgatcatca tcctaataaa 420
 ggaaataaat tcaaagataa gataatatgc taatag 456

<210> 25005
 <211> 414
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25005

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 ccagtcggtt tctctctatc atttttctga tttttttccc agatctgaga ttagctcttc 120
 ccagatctga gattcgttcc tcccttggtg tctcctttt ccgcctcgtc ctgctcggtg 180
 actccattca cgtcgtcact gcgagatcta gaccgcgtcc tcgctgccgc ctccacacga 240
 ttgcttcagg aaccgctttc cttttatttg ttgtggaggt atttggttcc ctttggaatt 300
 tgactagaga tgcaagttaa gttgtgggtt ntggattttg tttgtaatgt tttagttttc 360
 ttctttgttg gacctgtgtt gtgcgtttta gtgtttgaag tantatcaat tgta 414

<210> 25006
 <211> 450
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25006

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gggagaggat gctccaatgg aggaaaagac agagggttaa aagttgatgg gggagcacga 60
aattgaagga agaaaaggg agagaagttg aactttgagt tgtgtctcac aagactctca 120
ttcatcaaag ttacaacatg tgttacacat gcttctattc atagactacg tagcttcctt 180
gagaagcttt cttaaagaaa cttccttgag aagcttcttt gagaaaactt ccttgagaag 240
ctagaactta gctacacaca cccatctaaa aactaagctc acctccttga gaagcttcct 300
tgagaagtta gagcttagct acacacaccc atctaanaac taagctcacc tccttgacna 360
aatacatgac aataaaaaaa aataaaaataa gtccttatta caaagacaac tcaacatgcc 420
ctaaatacaa ggctanaacc ctataactaat 450

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<210> 25007
 <211> 502
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25007

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cctatagagt ctagctgcat gcatgctttc attgaaaagc accaacctat tgctgaggat 120
gtgccaatat cttcgaccg atgattcaac acatatgcc acaatgcgtg aacggcttat 180
gccttagaca cagctcatct tgcatgttgc tgtaagtga actattgatg ctcaaaacaa 240
catatgaagc gatacagctg acgacaatgc ggcaaggaac gacactataa tcgtgtatga 300
tagaaagact caatgaacgc aaggaaatca agggagtgtt ccatgctcta acatctaata 360
ctagttggag aagtaagcca atggatagct cgagacaaca gtcaagttct taacgatacc 420
attatgtcaa ggagaacaca aacttattgg ggatcttgtc tgcaacatgc gggaaactat 480
gaattaactg atgtaggctc cg 502

```

<210> 25008
 <211> 365

<212> DNA
 <213> Glycine max
 <400> 25008

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 tgattgtttc cttccctgat gtatctctga tatcatcgat ggcgtgcgct taaaaatgat 120
 ttttgacaag agtaactttg atatttgatc aaaaggctat cacactcgct tattgttttag 180
 aagctgcac tactccaagc atgaagagta agaacttaaa actaatgata cagtctaatac 240
 gattttgcga tgctaagcgt ctgattcaca ctctgataac acactattac ttgaagctct 300
 ttactctaaa atatgattct atccagatac ttgtgaaaga aaatttctca ctctgtaag 360
 tattle 365

<210> 25009
 <211> 394
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25009

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 attaaccttg ggaattaaaa aaaaaacgta atggctgagt gtaactgaaa ttgtggcaac 120
 caaaagtcac ccccaacagc caacaagtca gccaccattt ggtctcccaa aaggctgatg 180
 cctaggttgc caattgggcc cttattacaa cttgaactaa acctactaaa gcccttttag 240
 ttgattaacc caaaacatat atttggctcag ccaactatac aaggattggg ccattaatta 300
 gacaaactat acactctaaa attgagacaa agtggtgcca tttagtcttg ctccatttgg 360
 gccatgatat aactcacaac cttggacttt tctc 394

<210> 25010
 <211> 454
 <212> DNA
 <213> Glycine max

<400> 25010

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 tatcgagacg ctcgaaattg agcaacgaaa gctctcgaga aattcaaatg gtcataactt 120

ttcactcggg ggtccgattc acgcgcataa tatatcgaca cacccgaaat tgaacaatag 180
aagctctcga gaaattcaaa ttgtcataac gttaacacg gaggaccaat tcacgcgcat 240
aatatatcta gacgctcaaa attgaacaac ggaagctctc gagaaattca aatggacata 300
acttttctact cggaggtccg attcaggccc ataatatatc gagacactcg aaattgaact 360
acggaagctc tcgagaaatt cacatggtca taacgtttca ttcggagatc cgattcaggc 420
gcataatata tcgagacgct cgaaattgag caac 454

<210> 25011
<211> 391
<212> DNA
<213> Glycine max

<400> 25011

agcatgcttt acttgaaaag cctcttttga atggtgactc taatgtaagc aacaattatg 60
ttcccattaa ggctagagga aatgaaaata taacctggta ttcaaagtgt ggatttttca 120
gcattcttac tttctcatgg atgattcctt taataactct agggaatgag aagacttttag 180
agcatgagga tctcccatat cttgctactg atgacagtgt ggatgggatt ttgccaaactt 240
ttacaaacaa acttgagtca gagtgtggta atgtgataac aaccctactc tagtttcata 300
acaaccctac gaaaatatga ggttactgca cacatgaaca acactacact agtgtgataa 360
caaccctgct tacactatgc aaacaaccct g 391

<210> 25012
<211> 407
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25012

tttcttttta tgcactattc aatggagttg acaagaacat cttcagactg atcaacactt 60
gcacagtggc caaagatgca tgggagatcc tgaaaatcac tcatgaagga acctccaaag 120
tgaagatgtc cagattgcaa ctcttggtta caaaattcga aaatctgaag atgaacgacg 180
aagagtgtat tcatgactta cacatgaaca ttcttgaaat tgccaatgct tgcactgcct 240
tgggagagag gataacagat gaacagctgg tgagaaagat cctcagatcc ttgcctaaga 300
gatgtgacat gaaagtcact gcaatagagg atgcccaaga catttgcaac atgagagtag 360

atgaactcat tggttctctt caaaccttng agctatgact ctcggat

407

<210> 25013
<211> 370
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25013

ntccctcggt gaacaaatac cgataagttt gatagtttcc atcttgggcc tttgtgccac 60
aactatcgtg aatgggagag aaatgttcat ctaaagcata caagccccta atattatcaa 120
atcctaaaat tcgagctcct agggagcaaa ataatgtgag tcttctagag agggcatcaa 180
ctaccacatt tgttattccc tttttgtatt cgataacata tggaaattgc tctaggtact 240
ctaccattt tgcatgcctc ttgtttaact cgctttgccc tctaattgtac ttaagtgatt 300
gatgatcact atgaatgaca tatcccttgg aaacaaagta atgttcccaa gcttgaagg 360
ctattattaa 370

<210> 25014
<211> 399
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25014

ttgtttttga ccgtttattt aagccgttat ctgcgcaaat aattgataaa atgaatttca 60
accgattatt tgtgttgtaa tatcgtttaa tcattgtcaa aataaaatcc aaccgatcat 120
tcgcgttgta accttggtta aatcaaaaaa ggcaaaaata ataataaaat tatcaaagta 180
tctttgaaaa aaatataata aaataatcaa aatatctttg aaaaaatata gtaaaataat 240
caaaatatct taaaaaaata ataataaaat aataaaaaaa tcaatcggac gtttttcttt 300
gaaagtttcc ttgaatgaat tgactaataa ccaaagtga actaaggcta aaatcaactc 360
acaaaccacg cttttttccg canaaagtca cttanaact 399

<210> 25015
<211> 451
<212> DNA
<213> Glycine max

<400> 25015

ttatgtttga gtgtccacat ggatgtgtgc tatgatttat ttgcataaa tttctaataca 60
tcattgtcat atgtgtgtca tggaaatgat ttagggcatt cccttattct tgaaccgctt 120
gctaaacaaa tatcccgaca tgcgtcatgt cccaccatcc gtaggccttt tgagccaaac 180
cttaacattt tggccataac cttgacctag gatggaaatt tccaacctta ccattggaag 240
aaagaacaaa aagatcttcc aaaaacaaaa aaagcttctt ttaacttggg ttattactgt 300
gcttcaaagg aaaagaaaat tgaaaggaag aaagtcaacc aatcaaagag aaaagtagaa 360
aaggaaaaaa atagaaaaga aaaaataaat acagagaggt tctttgaacc caggcaatgt 420
cttaacaacg tgcaacattg tcaaaagcaa a 451

<210> 25016

<211> 410

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 25016

tcaagttata tgagatcttg atcaaacgaa acacaaaaat gcaatctagt caagccttat 60
accacaaaag gaacaatata caaaaactaa aattaaaaaa ttaaaccaag aaagacattg 120
attctattag aaacattttg ttaaatacct cataagtaag acaaatttca acaattaaaa 180
taagcaaaag caagactaat tttatgtaaa aataaatttc atgtttgaaa caaaccggtg 240
tgaagtctga aagaaactat tgtgaagaag tttttcgggt ccttcaagct taataagatc 300
ctgttcaaat gaaacacaga aatgcaacct agtcgagcct tttaccacaa aaggaacaat 360
atacaaaaac taaaactaan aaattaaacc aaagcagacc ttgattctat 410

<210> 25017

<211> 432

<212> DNA

<213> Glycine max

<400> 25017

gggaaggaaac agagacgact cttaaaggct tgtttgtcaa ggagaatcat tgtgtgtaag 60
actatgtcaa acaaatgacg catccttctt ccttaggttg atgataactt gcaccattta 120

aaaattgaat atgcagcctg ttggttcctc ttatgttact ggctctcatg acttattctt 180
 tcttcagctt agtcatgagt ttgctactac aaagaagcga gtcttttgcg tattgcatat 240
 cgtatccttt cttcaaataa ctggcctttc ttaggaacac ttctcatgtc ttctaaatat 300
 cttgctttga ctaggacttg tcgatgatga caaactatat tctctaacat cattcatgtc 360
 ttgtggagag ctcgatacct tacatgtaat tactcactac actactacat ggcatagtcc 420
 tttatgatct ct 432

<210> 25018
 <211> 392
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25018

ttgtctgtct tgcaccatta gaagagaatg agcatgtgat tggaagtatg actgaaaatg 60
 ttagtcagtt tatcagattg attgtgaagg aatgcattga ccgtatcccg gtgagagtgt 120
 gatccttaaa ttttgagaga aacgactatc atttagtact gatttttgca tgaatctcta 180
 aagtatggac taaatgcatg aaattgagat gatgaaggcc atgtttgatt gtgatagcca 240
 cttagccaaa aagttgacca cgtgcttgaa tgatttatcc cttgcacca gtttgagctg 300
 aatgaagtat taattgattg aaccctgagc ctatacaatg ttatctcctg ctaccatgtc 360
 ttaagttgta ngagagcatc atcctcaaga ag 392

<210> 25019
 <211> 443
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25019

tccatcagtt tcttggtctc actatggact ttgtcatatc agcaataagt gtgttttcag 60
 ctgtagtcaa tcgccccgca tatggatgtc caactaatga cttgaccaat tcatgattat 120
 gaactccaca aatcaacttc accatccagc cttctctctc aaccactggc ttgcaacaaa 180
 gcttgaaggg acaccacat ttcttagtcc cagtgtctct tctgataaat tcttttttcc 240
 tacacctata ctctgctcct ctctcacctc ttccatggaa tattgaactc ctaaaattgt 300

ggtaaacaat actagtgagt tcaacatata taggaagggtt gaaagtaagc ccaaggcaat 360
 caatatgccca tgcttganaa aaaatcgctg gtgctggcaa cttggacatg tataacttgta 420
 gaaataactga gaattgggtac ttc 443

<210> 25020
 <211> 417
 <212> DNA
 <213> Glycine max
 <400> 25020

agcttttact ctgaggcccg attcaggcgc ataatatatc gagacgctcg aaattgaaca 60
 acggaagcta tcgagaaatt caaatgggtca atacttcgaa ctcgagggtc ctattaaggt 120
 gcataatata tctagacgct caaaatttta caatggaagc tctttggcta taaaaatggt 180
 cataactttt cactcgaagg tccgattaag ggcataata tatcgagacg ctcaaaattg 240
 aacaatggaa gctcttgagc aattcaaatg gtcataactt gtcactcgga ggtccgattc 300
 agctgcataa tatatcgtga cgctcgaaat tgaacaatgg aagctcttga gcaattcaaa 360
 tggtcataac ttgtcactcg aaggtcggat tcaggcgcac aatatatcga gacactt 417

<210> 25021
 <211> 452
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 25021

ntgatgtaac atttgagag gttaatgaaa caacgagtat gatgcgctcc atgagagggtt 60
 ggatcaaagc gagaatagag accatatgaa ttgctcaaga gcttccattg ttcaatttcg 120
 agcgtctaga tatataatgc gcctcaatcg gacctccgag ttaaaagtta tgaccatttg 180
 aaatgctcaa gagcttccat tgttcaattt cgagcgtcac gatataattat gcacctgaat 240
 cggacctgag agtgacaact tatgaccatt tgaattgctc aagagcttcc attgttcaat 300
 tttgagcgtc acgatataat atgcacctga atcgacctg cgagtgacaa cttatgacca 360
 tttgaattgc tcaagagctt ccattgttca atttcgagcg tctcgatata taatgcgcct 420
 caatcngacc tccgagttaa aagttatgac ca 452

<210> 25022
 <211> 413
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 25022

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agtccttgttt ctgcagcagt taagtgaaca aatgaagtgt cgacagtcac tggatgggtg 60
cttggttagag gtacatgtaa ttaactaata agatttccta cgtggttaggt ataattatta 120
agaagaggca ctatgtatat agacttttat atataaatct tattagagtt ttaacacaat 180
ctccactggg ggttgaaatt tattgagaat tataaaataa gaagaatgac tcatcaaagt 240
actagtggga cctgccaaat ttgtgatttt taagaaatgt gagccaacaa taaagagtgt 300
gttcaacaga atgcgctaga gacagtgtng ctagcatttc tctgtttang aatgggtgtt 360
gtagttatta gtgaaaatag aaatagaaaa tattttcctt atgtccaaca cgc 413
  
```

<210> 25023
 <211> 460
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 25023

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tagtggagat aatcaacctc aagtaccagg gtagtgttct aagcgtttga aactcgtggc 60
ttagcgcacg aaatattatg cgcttatcaa gaagcaggcg cttagcgaaa agactaattt 120
tcaaaaataa gttttaaact tagtcctttc ctaagaaatt gaaaccctta agtctaccat 180
tcacagggag gctgatagcg tccaatatcc agattatata gcaagttccc aatgatcaaa 240
tggacgaaaa accaaaaata acacaaattg aaactggggt gcctcccagg gagcgcttct 300
ttaatgtcat tagcttgacg cttttacctt gctgggcgat cttacgttnt ggctctcacc 360
ttgagaacct cttgaccttc tctcattacc tgcaagcaca cattgtgttc tggagcatgc 420
ttgtcttcaa caaacaagta anaaacaata ttctgatctt 460
  
```

<210> 25024
 <211> 411
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations

<400> 25024

agttctcttt ttgtgttccc ctggttgccc ccatatacag gagaaatgtc caatttcaat 60

atgggaactt tagttgtgag acaagcactg taatatgggt caatgcttta tgaggaaaaa 120

gcacggtcta tttttttgga gctgtcaaaa cttttaattt aatgacagaa aagaaaaacc 180

tttaattggg attcctatat ctttgagatc ttttatcaaa gttttatctg tagttggaaa 240

aggctagtgt tttgtagaag cacatagttt aggttagagt actcttccca aatttgaaca 300

ttatgactct ntagtttgta ttgcagagtg gaacttaatc ttgtagctgt tagtactgga 360

agatttagtc tcttgattct gcaattatct caacaaacat tttcggaagc t 411

<210> 25025

<211> 431

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 25025

gcttgcgaaa atatgcatgc tgtaaaaaatg taaagctaata ctctatcta tcttttcctt 60

aacgaaatgt gtattaatat gatgagattc atcatgttga actaattgcg ggataatgat 120

atataacttg tcataccata tctggatgag aacctgacgt ccagatcccc ttatgatcta 180

caataagtcc catcaaagt aatgaagata ttcattgtgt cataactgga aatccaaggt 240

atataccnnn ccaccgtatg ccattactta ctcatgcact gtaatagatt atatacttac 300

taacatgtag cttaacttta atatttaatc tttgactgag ctgcataatt agaatccgtg 360

tacactttca tggtaaggga acgacacttc gattccctat cttatacact agtcattaac 420

caagtgtaaa t 431

<210> 25026

<211> 417

<212> DNA

<213> Glycine max

<400> 25026

agtttattga atcgatctca aaaactcaat atagctatgt aaattttttt taaaaataa 60

gatcgttatc cgcaagatcc tatgacttaa ccagctaatc cacagatatg agtttgtata 120

cccactccta agtgtagcat tagtttgctt taccttcgta acaattgtgt gaatgaaggt 180

atttacatca atatctccaa aaaataatat cacattcgat gttgattgaa aataatcttg 240
 cacataaata aaaaataatt atgaatgagg ttgcaaaat agccccaacc taattattga 300
 ttgaaaattt ccagtttgat caattttgat ctattaatta ttgattgaaa aattcattga 360
 attttataaa caatatataa atagttaacc acccatataa tagatgaatg aatcgga 417

<210> 25027
 <211> 452
 <212> DNA
 <213> Glycine max

<400> 25027

tgctgctatg attaacattt catcgatgaa ttaaatcttg actgttatgc attatctttt 60
 gttgcatgca gacatcttat atctttcacg cacacaaaaa attgtaacaa atcatatttg 120
 tttggcagaa gtggggccga agaaaatact agatctgatg aatgtcccat ggctgactag 180
 agagaacgtt gctagccact tgcaggtgat gctataattt cacacctgaa tggtatcttt 240
 cattcaaag agcatctagt ttttaatat ttttactgta tgcattgatta catctcattt 300
 atatccccgt ttggtagact tagaatcaca acaaagcttc actttaatac aatatggtgt 360
 aagtggtaac ctccaaacca ttggtcctgt acaaatgttt ctcaaaaaca ttacaactta 420
 cacgttactc agcatgtcca tctctatcta at 452

<210> 25028
 <211> 403
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25028

agttaattcg tacaatcaat gtagaaaaac atgaccgcgt tgcatgtaa aggggaaaag 60
 acggaaactt aaaagaaaaa gcacttggga ccaaatatga gagctaacgc acaagagaag 120
 agagaaaacc cgtcacttgg ggacctgtgc cttcattatc tttcatgctc tgtcatgact 180
 gtcggttcct tcttgatatt gtaagcctct tgtgacaata agagactaaa ccatcaattg 240
 ttgggagctc agtaacccaa cactcttgat gtaatgattt taactatcta tttaatgcta 300
 tttcgagatt attgtttctt ttctgtactt attatcatgt ttatggttgg atgacccatg 360

ctcatgtagt gttatagggg ctatgcattg gaanatgttt ata

403

<210> 25029
<211> 370
<212> DNA
<213> Glycine max

<400> 25029

aagcccagtg atttttacat ttacgtgga tacatttaga tgatagcctt gaatcaaaag 60
agcctcagaa acctctcttg cattattaag ttttctacct tgtcacaatc catgaataac 120
cgtagtgcca aatgtaaccg ccattcgaat ggctaataaa gaaatgaaga gaaaaaaggc 180
tgcaggcttg atccctgtat taacgaaact aacattcgca gataaaaaag tatatcgtgt 240
atgtgtacgc atcaagctga attccttggt ctaccaaact gactgtgaga aaccggaagc 300
tagttaacta catgatcaaa gccacctgt cagcgagaat atggcttagg tgaacaatag 360
tcttgatcaa 370

<210> 25030
<211> 414
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25030

atcaatatta ggattagaac gatacagagt aaagcatcaa gattaattat aaaaacatag 60
tcatatgtac actaaattga aagtaaccgg gttcctatatt catgaagaaa cagaggagtt 120
actactttat aaggagtaac atagtcaatg agatgtacat gaaacataat aggaaataag 180
aaagtgagct acaaattgtgt gtttgtatct catatcagaa gccgtcgagg atattcaacc 240
atgcgcattc attgtgaact ttacattaca ttacattat tactcaatga tgctatattt 300
agcatacacc tatgtaagct ntctagcctc ttacattaca tatgttggct gtccagaata 360
caagccacac tctattcgta agtcactttg cacaattgca caaattatgc tcgg 414

<210> 25031
<211> 378
<212> DNA
<213> Glycine max

<400> 25031

acaggaggtg gagatgatgg atcttcactg tcattttggt ctgaggtacc tacatgacaa 60
 caagatggaa ttgacagaac attctggatg gaagaagacc ggtgtgtctt caaagaatgt 120
 ttctttgaga cacatttgat ctgcacacat atattatcgc ctagtacatg gagaatagca 180
 ttcttaacct gtttgaagac gagaatatcc tcaaactaca catttgattg ctggggcaaa 240
 gagtctgtct aaaccgggag agagatcttg aacacaatag atacatccag acactttacg 300
 tggaacatgg aataaatgat catgacggac attgactgat tgagggattt gattttcatg 360
 agaacatggg gccattct 378

<210> 25032
 <211> 411
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25032

cttgtttgaa gtaccaaaca ttgcaactaa gcagctgtcg tccatcaaag atgtactagt 60
 atgggtggtg actatgactt ccttttcaaa tagattgctg tgctgctttc ctgaatctga 120
 atccacttgc agatccttct caatttttcc accatcaaat gtacaataat tgcgaacacc 180
 ccttgaacaa gatgaataat ctgtcttttag aacagaagac aagtttgata agtgaccctc 240
 accacaaagt tccatgatga cttcttcctt tntggcttct gaacagcata ctgtttcctc 300
 tactgaaaca cctttattat gatgggtatc agcaatatgc agcagatgaa tgtcattntc 360
 accagagata acatctagat tcagatccag agaaccagcc tgatccactt t 411

<210> 25033
 <211> 453
 <212> DNA
 <213> Glycine max

<400> 25033

tgacaaagtt agtactcagc agaaccattt aatcttttca atgggtatct tagtggataa 60
 cagatgggag tggaagcttc aatggaggag aaacctattt gaccacgaag ttgatacggc 120
 agcagccttt atggcagata ttgctgagtt tcaaattcaa cctgcaagca gggacgttct 180
 gctatggggg cttgattctg gtggacccta ttccacaaag gcagcttata gcttcttgaa 240

ggatggtgac agccagggtta ctgaagatag tgacttcaag gcaatctgga atctcaaaat 300
 tccacctaga gcaagtgctt tttcttggag aatattcaag aaccgaatcc ctaccaaggt 360
 taacttaagg cggagacatg tggagctgcc ttcctataac tgcccgtgt gcgatgagga 420
 ggaggaaaca gttggtcata tcatgtactc atg 453

<210> 25034
 <211> 405
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25034

ttgtttatcc cccaattttc tataaatagg gggagaagtg aagtagaaaa gggttcagcc 60
 ccttaggcac ttctatctct ttcgaatttg cttaggaaaa ttgtttctgt gaagaaaatc 120
 caagccgagg cgcttccgta acgtttccgt gagtgatttc gcgaagggtt tcgaccgttc 180
 ttcgacgttc ttcattcggt cttcatcggt cttcagtcct caacgggtaa gtacctcaa 240
 ccaagccttt caattcattc tatgtaccgg tgggtggcca catttggttt catgtatttt 300
 tattctcggt ttcatttact ttntctaccc ccttttgacg tgcttaagcc atttatttaa 360
 gtcattcctc gcttaaccta naaataaaaat aaatttccac cgatc 405

<210> 25035
 <211> 458
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25035

ccattcctag actngatgat tngcttgatg agtttcatgg tgccnatatc ttttcaaaaa 60
 ttgatcttac aagtaggtat caccaaata ggaatgaaaa gggatgatgag tggaaaaccg 120
 ctttcaatac caagtttggg ttgtatgaat ggctagtgat gccttttggg ctactaatg 180
 caccaagcac ctttatgagg cttatgcac atgtcttaag ggatttcata ggtagatttg 240
 tagttgttta ttttgatgat attttagtgt acagtagaag cctagatgat cacttatgaa 300
 atctcagaca agttctttca gtccttagga aaaacaccct ctatgcaa atagagaagt 360
 gtactttctg tgtagaatat atagttttct tatggtttgt agttggtaga aatggagtcc 420

aagtggaccc tgagaaaatc aaggccatcc aagaatgg

458

<210> 25036
<211> 330
<212> DNA
<213> Glycine max

<400> 25036

ttgctacata gccctcatct taaactaatt ataacaaaac ataaaaaccc taaaaatcta 60
aagctacagt tatagtcttc taccctaaag ttaagacaag aaaaagagaa aaaggaccaa 120
ggaacttact tggacagtgt atgattgatg cttcaaagtc gaaaatgcac aaagagagta 180
caaatgaaaa atgtgcaa at ttttggagag agagaatgca gaggcgaggt ttctgtaatc 240
tggcaaatgt gagtgttaact gctgttacac tcacttaagc agttttcata ctttcgctta 300
gcggaccggt gcgctaagcg agcaagagag 330

<210> 25037
<211> 396
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25037

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ctgtcttata attttttggg atgtctaact tactggactg gttctcctac tgtaggtcga 120
tctagagaga attgcaaaag atactcatgg atatgttggt gctgaccttg ctgccctttg 180
cactgaagtt gctcttcaat gcatcatgga gaaaatggat gtcacgatt tggaagatga 240
gagcattgat gctgaagtac taaattctat ggcaatgaca aatgagcatt tacatactgc 300
tctgggaaca agcaatccat ctgctttacg agatactggt agtagtggtt ttaattcttt 360
taaatttaaa ttattatcta gctggtgagg ctttct 396

<210> 25038
<211> 412
<212> DNA
<213> Glycine max

<400> 25038

agcttataat tctaagaaaa gcgatgaaaa atgttttgaa ctcaatcaag aaaaacatag 60

gattgaattt catcattcga ctcttttagtc ctagtgaaat ttacgcatat gaatcattct 120
 ttactgttgt tgatgcactc gctaaatcac aatgtattga ttcctcacat atgaaatttc 180
 taagaataat tatcaaatac tgattccttg catattcaaa aatcatttct gcattaaaca 240
 agtataagat tgcaatcaat atgttatgat ctattcctag aaacataaca tggagagtaa 300
 cttcatttag tttagactct caagattgct ttccaatcaa actcaagaac tagattcatg 360
 agactattaa tgagatagaa tcaagcataa agagcagaat gatgttacca ac 412

<210> 25039
 <211> 431
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25039

ctcagcttag gaacacttgg acaatttggt gcgcacgggt agtgtatgtc ttgaaccaac 60
 tatectaaat aaaagcttta gttattggat gaaagcagat gaatgatttt acaagtttag 120
 catgccctct tcacatacga gccgtttgtg cttgaagctt aaacaagaca aacttacttt 180
 atgatgaatt tcaacatatt agaagaacag ggttgataag attcaaaatc taaaccacag 240
 ttataattgt gacaaggata ctactttgag agaaaagaaa agcatgtgct gaaaattgtg 300
 tttcaattgc agcacagact gtatattttt ataaagagtg taaaatcaaa tacaagata 360
 cattttccta ttactatgnt tacatgggtc aataaatcta gacttttctt tactgatata 420
 catntgacat t 431

<210> 25040
 <211> 409
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25040

gttttttcca tgttttagaaa ttttaaagct catgttgaaa aggagattgg tgcatatatt 60
 gcttctttga ggacagatag aggtgggtgga tttacctcac atgagtttgt agaattttgc 120
 aaaaatcaag gcattagtag acaattgact acagcctata ctctcaaca aaacggagtt 180
 gtagagagga aaaatagaac gataatgaac atggtgcatt ctatgttagc tgagaagcag 240

gttcctaaaa tgttgtggcc cgaagctgta aaatggagtg tgcatatact caatagatgt 300
 cctactatgg ctgtgtagaa canaactcaa gaagaggcat ggagcaatgt gaagccaatt 360
 gttgattatt ttttagtttt tgagtgtgta gctcatgcac atgtcccat 409

<210> 25041
 <211> 281
 <212> DNA
 <213> Glycine max

<400> 25041

tggagtagag ctcgagttat acatccaaaa gtctaataa caataacttg aactcgcgag 60
 aaggtaactt ggtgtttatt ccaataactg gatgtcatct cagtggctaa gatcaaaaag 120
 cataaattat tgtgtctgat ctttatattg ctttttgccc tctttaattg atcaagggat 180
 cgaattggtt ttaaagtatt gatataactc ttactatgct aaaacatatt tcattgtgcg 240
 actgtacttt cggtatcatt tatatctatc taaacaaaga c 281

<210> 25042
 <211> 190
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25042

aacagaaaaa ccccaaaaan caaaagccac agagagagggc gactaccna caggcaagac 60
 aagaaaaaga gaaaaaggac caacgaactc acttgacag ggcaagaacg aagccacaaa 120
 gacgaaaacg caciaagaga ggacaaagga aaaacgcgca aacgttagga gagagagaac 180
 gcaaaggcga 190

<210> 25043
 <211> 411
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25043

agcttgacta tttgtgatgg tttcgtacc atagactgca ggttttgcca agaaactaca 60
 gcaatggctc atattagctn tgctgcgaaa aattccttag gagaaacttc aatgttgaag 120

tccatgaaa tacccttgta tatataatcg tgattctcag atgatttgat gccttaaaat 180
 tgtgccaaatt gaagttaaac ttgttcaaatt ttatataaaa aaaattccat aatctaagtt 240
 tgatattttg ggattaatat tgcagtgcct taactttgtt tcgtgtttcc aaagattntg 300
 caagagatgg tgaagtgaat ataataaaat atattattat gtatcatcct anaatttata 360
 ataataattg ttgttagttt tagtttaaaa attattagta taaaaattta t 411

<210> 25044
 <211> 455
 <212> DNA
 <213> Glycine max

<400> 25044

ggcataatga attaatgtac ataccgcata aagggttag gaaagtctca tagcattgtg 60
 gagtgaccaa gctgaggccc tgtggtcgac acacacggca atgatcacgc attgaaagct 120
 tgccatgaaa cacattaagc cagtgtcgt gtaaggagct ggaaatgtct tgcttatgtc 180
 tttctgaaaa acgtaatgat ataataattc tcttaaagag gaaaattaaa ctagttaaga 240
 tagattgatg ctttaattact tgaattatga accatgctgc ccaaacaagg gtgctaagaa 300
 ttacgaccaa agggcctagg aacatgtttc ctttgccaga agagctagtt ccttccattt 360
 tctcagcata tctccagtga atacttgatt ggcctaaacc aatgggtttt ccatggtaaa 420
 atgacaaaag caaggctcca ctcacacaca atatt 455

<210> 25045
 <211> 364
 <212> DNA
 <213> Glycine max

<400> 25045

agctttgtag ccaattcaaa cgacaataac tttttactcg aatgtctgat tgagccccgt 60
 aatatatcga gacgctagaa atggaatgtt gaacctatga gcctattcaa acgacaataa 120
 ctttttactc ggatgtctga ttgagtccca taatatatcg agacgctcga aattgaatgt 180
 tgaacctctg agccaattca aacgacaata actttttact cggatgtccg attgagtgc 240
 ttaatatgtc gggacgctcg aaattgaatg ttgaacctct gagcaaattc acacgacaat 300
 aactttttac tcggatgtct gattgagttc cgacatatat cgagacgctc gaaattgaat 360

gttg

364

<210> 25046
<211> 411
<212> DNA
<213> Glycine max

<400> 25046

cattcaattt cgagcgtttc gttatattac gggctcctaat gttatcatcc gagtaaaaag 60
ttatagtcgt atgaattggc tgaaagctta aacattcaac tttgagcgtc tcgatatatt 120
acgggactca atcagacatc cgagtaaaaa gttattggcg tgtgaagcgg cttagagcct 180
tagcatacaa ttatgagcgt ctcgatctag tacgggactg aatcagacat ccgagtaaaa 240
agttattgcc gtttgaatta gctcacaggc gcaacattca atttcgagcg tctcgatata 300
ttacgggact caatcagaca tccgagtaaa aagttattga ctggtgaatt ggctcagagg 360
tgcaacattc aatttggagc gtctcaatgt attacgggac tcaatcagac a 411

<210> 25047
<211> 411
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25047

agcttgtcta ataatatata gtttgaagtc gactacttct tataaaaaaa attagttttg 60
atcctttgat caaatatatt atatatttaa caaattaatt tatcatatgt ataatgtatg 120
tacttatacc ttatcaaaat caaaataaac cattaactca cattagtaat tttcaaccct 180
gtacatgttt agttcaattt aacttattgt ctttaaataa taattcattt tttagtttaa 240
cttttatata tttttaagga tctcactgat atatgttatt tttaaaataa tcattaataa 300
atcaatcatt gtcaattata tgattattca taattaatat aataacgtta taccttaatt 360
aaattgtnta attttattaa tcagtctgaa tatctttttt ataataatta a 411

<210> 25048
<211> 385
<212> DNA
<213> Glycine max

<400> 25048

gcttattcag gcctcagcac caaagccggc ttgacattat ttgactatcc tctcagcaaa 60
taatgagaga caggaagac ctgaaatatc tacgacacta cttccatggt ccaacttgct 120
tcttacttta tctatttccc cttatagagc ttgatgctgc tctcacgtat ttgtccacat 180
gtgcgtctgg cttcattcat ccacatgcta tacatgcacg tatgactact catattcaac 240
agcatctgcc ttacttccac acattcatca tggaagacat caagtaggct tgtgtaagct 300
caacccgaca tctaacaagc caccgcatgg ctaggtcgca acttttgctg gatgcatatg 360
tgctcatacc cgccgtctct ctact 385

<210> 25049

<211> 420

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 25049

agcttataat aagacatacc agcattttat tgaaccagtc caaggaccac aatattgggc 60
ccagacacaa tatacacacc ctgttcacc acataaaagg gtccaaagag gaaggccaaa 120
gaaaaataga aggagatccg tagatgagga caatgtcaca ggacataagc taaagaggaa 180
attggctgag ttacatgtg gaagggtgtg ccaaaccaat cataacatta gaagctgtaa 240
aaatattgga gttcctgtta ggccaaagaa atatgttgca ccatcaactt caaatgagga 300
tgaccaccta ttatctcaag atgaacaagc tntgaatgag gctgaagaag ctgctgtca 360
tgttcaacaa gatccggtgg acattaattt atctcagcct catttgtcac aagatagtga 420

<210> 25050

<211> 459

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 25050

tccttgaaaa gattcctaga gaagctagag cttagctaca catacttctc taatagctaa 60
gtcacctcc ttgagatgag aagctagagc ttagctacac accccttata atagctaagc 120
tcaccccat gccaaaatac atgaaaatat aaaaaagccc ctacaacaaa gactactcaa 180

aatgccttga aatacaaggt taaaacccta tactactaga atgaccaaaa tacaaggccc 240
 aaaagaagga aaaacctatt ctaatattha caaagaagag tggacccaac cttagcccat 300
 gggctcagaa atctaccctg aggttcatga gaaccccagg gctttcttta gcagctctag 360
 cccaatcctc ttggagtctt ctatccaata ctcttgnggg gtaggattgc atcatgatcc 420
 ctatTTTTTt cgtgagtttt aatgtgaaaa gtatcatta 459

<210> 25051
 <211> 391
 <212> DNA
 <213> Glycine max

<400> 25051
 tatcttattc cttcatagct aagcattagc tcgcttgggc gagcttcaac agccccaaaa 60
 tggctTTTTt cctataaata gccatgttgg gggggggggg taagtgggtc caagggtcag 120
 gagttgagag aatcgagaga aaagaaggag aaagaagaag aagaaagaag aagaaatgga 180
 agccaaggcg ttaccgaatc gtgactgtga tcattcccta cattgtcttt ttgttctgtg 240
 ttcttcatgc aacagtcaat tagttatgct attaagagtt gaatgtagac tatgtaccct 300
 taagggtccc ctctgatatt atgtgcatat tcattcttct tatcaatcat cggttaattca 360
 tgagtcatca tattagctat ttgattaaca c 391

<210> 25052
 <211> 450
 <212> DNA
 <213> Glycine max

<400> 25052
 tgtctcagcg tctatgcgag acagatacca ttatgttagc tatcatcgcc aagtaccaag 60
 aagagttggg tctagccacg gccacgagc atagaatcgc ggatgagtat gcccaagtat 120
 atgcggaaaa agaggctaga ggaagggtga tcgactcttt acaccaagag gcaaccatgt 180
 ggatggatcg gtttgccttt acctgaacg ggagtcaaga acttccccga ttgttagcca 240
 aggccaaggc gatggcagac acctactcgg cccccgaaga gattcatggg cttctcggct 300
 attgtcagca tatgatagac ttaatggccc gcataattag aaatcgttag gaaacttgta 360
 tggctcttca gaccttgact agatatgatt tctttctttt gttttgaaat aaaatgagtt 420

gggcccatgt ttctactcca aaaagcttgg

450

<210> 25053
<211> 411
<212> DNA
<213> Glycine max

<400> 25053

ttcttatgct gcaaataattt acaatagacc tactcaacct cagcagcaaa atcaaccaca 60
gcagagcaat tatgaccttt ccagcaacag atacaacctt ggatggagga atcacccctaa 120
cctcagatgg tccagccctc agcaacaaca acagcagcct gctccttctt tccaaaatgc 180
tgctggccca agcagaccat acattcctcc accaatccaa caacagcaac aaccccagaa 240
acagccaaca gttgaggccc ctccacaacc ttccctcgaa gaacttgtga ggcaaatgac 300
tatgcagaac atgcagtttc agtaagagac cagagcctct attcagagct taaccaatca 360
gatgggacaa ttagctactc aattgaatca acaacagtcc cagaattctg a 411

<210> 25054
<211> 453
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25054

tgttacagaa cttagganat atcaagaaca agcttgttct cacatcggtc gcgtgtacga 60
tatccactcg acaaggtttg aagtagagga gaccttcaat cctataacgc aacgtggcgg 120
acaaaaatgg gcagttaact tgaatggcca ttattgtcaa tgcggaaggt attctgcgct 180
tcactatcca tgttcacaca ttattgcaac ttgtggttac gtgagcatga actactacca 240
atatatagat gttgtttaca ccaatgaaca catcttaaaa gcatactccg cacaatgggtg 300
gcctcttggg aatgaagcgg caattcctcc ttctgatgag gcatggacac taatccctga 360
cccaactaca attcgtgcga taggtcggcc aaaatcaaca aggataagga atgagatgga 420
ttgtgtcgaa ccatctgacc accgacaaaa atg 453

<210> 25055
<211> 393
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25055

ttctaattcca atcagatggg acaattggct acccaattga atcaacaaca atcccagaat 60
tctgacaagc tacctttctca agctgtccaa aatccccaaa atgtcagtgc catttcattg 120
aggtcgggaa agcaatgtaa aggacctcaa cccgtagcac cttcctcatc tgcaaatgaa 180
cctgccaaac ttcactctat tccagaaaaa ggtgatgaca aaaatttacc taacaatttc 240
tgtgcagggtg aatctttctc cacagggtgat tctgatttgc agaagcagca cattcccccg 300
cttccattcc ctccaagagc agtttccaac aaaaaaatgg aagaggcaga gaaagagatc 360
ttggaaacgt ttagaanagt agaggtaaac ata 393

<210> 25056
<211> 445
<212> DNA
<213> Glycine max

<400> 25056
tgaggccgac catggataat tatgggggggt atggagtttc cgtactcctt actacaagag 60
taataactaa tcaactccacc ctggaaatct tcattgagtt gttgatattg atgtgtttat 120
aaagttgttg atgatgctcc atggacattg ttgtgtgttg tgcttttatg gaccattggt 180
gatgttgatg gtgtgcacat acatgtatga gtatgaagtg tgtgggtgcg ttttgcaagt 240
aagcacgtaa ctagagtaat agttaacggg ggaaagtgct ttttattctt gattcttatt 300
ggacaacgct gccacaata aatagaacac aagacaaaaa aaaaaaattg atactacacc 360
tcaaaggtgg ttgctagacg aaataaagtg gcaagactac tttaccaatc cgagaatcaa 420
ttatatcatg gcgaaaattc tgaac 445

<210> 25057
<211> 391
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25057

tatcttgctt ctacaagatc ataagtactt acgcgtcgat gtttttaaac aaaaaagggt 60
ggggacaaac cttgggattt caatgggttg attaaacgtc aaacgactcc attgtcgtca 120

ctccaaaatg gtcaagtgac taaatcaaac agaacatata ctctgagga gttccacgag 180
agatttgcaa aagataggat aagggttgcac gaactatcac ctctttcaaa aggacagtca 240
atctgtgttt tccgaaacaa tcaaataaaa atcaaaatca caaaatatgg aaagaatgcc 300
atgaacattg tacaactntt cattacattg cattgttgca tacgaagtct gcatttaccg 360
catttcaaga caaaggttgc atgcatctgc a 391

<210> 25058
<211> 451
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25058

tgaggcgaga gttaatgaaa tctctnctta tggaactcct tcctaagaat cctagagtca 60
tgagatctct tcactttctc attgtaaatc ttggagtctc cataggcttc taagcagatc 120
ttctcaagtt atagcaattg aagcttcttt tccataacctg cttcatcaaa tgccatgtta 180
caacccttca ctgcccaata agcaaggtgt gcagtctcta ccagaaggtg gcatgcctta 240
ccaaaaacca ctctattggg agacatccac aaaagtgttt ggtaagcagt cttgtggggc 300
cgtagagcct actcaagtaa cttgctccaa ttctttctat tgagttgcac taccttcaac 360
aacacttgct tgatctctct attaaaaacc tccgcttgcc cattagtttg gggatgataa 420
gctataacaa ctctattcac aaccccatat t 451

<210> 25059
<211> 404
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25059

tgtttggtat caattacaca catattgtaa tcgattacca gaggagtttt tcagaaaaca 60
ttctcaatag tcacatcttt ttatctgatt tttaagtggc catcaaaggc ttatatatat 120
gtgactagag acacgaattt gataagagtt ttgaagaaca aaaaggtctt atcctcttaa 180
caagcaaaat tgttttatcc tcttacaat tccttgcca aaacacttgt gattcaataa 240
ggaattattht aagtgtcaa attgttcaat ctatctcttt caagagagat ttcttcttct 300

cttcttctttt attctgaana gggattaaga gactgagggt ctcttggtgt gaaaggattc 360
 taaacacaaa gganagaatg tccttggtgtg tttagaactt gtaa 404

<210> 25060
 <211> 441
 <212> DNA
 <213> Glycine max

<400> 25060

ttgggacttg agaagcgtga agagaatgtg cacttggtct ttggtgctct tatggcaaag 60
 gatttggtttc ttggattttt tggcattgtg gggttcaaga tagtcatatt ccgaagcaat 120
 ctccaccta acaccaaact tttcatgaat attcatatga aacacaagtt atattgactc 180
 attatgcgac gaactacttg tatccacata agatgagcca ttaacatcgt cagagatagg 240
 gtcaattcac catgacatat aactaagaga cagctctacc tcacaaacta acttctagaa 300
 ttgagacacg tgagaaattg aaagcctcaa aggatatctt atcttattct accagttgca 360
 ataggagtgt cagattatcc attcttggtg cgcactcaca tgtgcaaact cgtaaatttc 420
 acgtgagaga tatctgatca t 441

<210> 25061
 <211> 396
 <212> DNA
 <213> Glycine max

<400> 25061

agcttctcaa ggaggtgagc ttagttatga gaggggtgtg tgtagctaag ctctagcttc 60
 tcaaggaagt tttctcaaag aagcttctca aggaagtttt ctcaagaaag cttctcaagg 120
 aagcaacgta gtctataaat agaagcatgt gtaacacttg ttgtaacttt gatgaatgaa 180
 agtcttatga gatacacttc aaagttccac ttctttcctt cttttattcc ttcaatttcg 240
 tgctcccccc ttctctcttt cttttcctcc attaaagcat cctcttcaag cttcttatcc 300
 aaggcaattc ttggtggtga agctccttct tccatggctt attccttagt ggatggcacg 360
 tcctctcact tcttctcctt tgtattccgc tgcac 396

<210> 25062
 <211> 436

gtaccacctat ggcttgccctc cggacttcgc tcttctgcgc tcccgaaga tttaagccaa 60
gcccctacct tggaggggca actcccacct tatgatgact atcccatgca agacaatgag 120

gaaggagata cccatctcgg ccccttgctc cacttcaaag atccatcccc ccatgaacta 180
ccctaacc aa acatcatcca ccatgtccca tcttcaccog caccataaa agaatctgtt 240
cccttctcgg aagataaagg aaagattaag gcgctcgaag agaggctaag agcagtcgag 300
ggcctcggca attaccogtt ctcggtatta gaggtattat gtctcgtgcc caacatcgtc 360
atccctccta agttcacagt actggactgt gataagtaca tacggacaac atgtccaaaa 420
tggcatcttc agatgtat 438

<210> 25065
<211> 412
<212> DNA
<213> Glycine max

<400> 25065

tagtcttgaa tacaaataat tttgcttagc aaataataaa caatgtgatc tcaagtgtat 60
tgttgatcga ggtcgtaccc aaatcaaata aacattaaaa atgcaatatc taggaagtga 120
tcttaggttg tcccccaacg agcaatggtc aaccaaacat tcataatcga tagtaataaa 180
atagtaacga attggggggtt gtttgttttt gtaaattaaa tagcgagcaa attttaatta 240
gaaaatacaa gaattaaagc acgttgtttc cccttgattc acaagctagt atcttatact 300
aggttacgag aatttattct ttatcagttc aactacttaa tccaacccta gattagatta 360
ctaagcgaaa tttaacataa ggcattcatt atgtgattaa gcaacacata ca 412

<210> 25066
<211> 316
<212> DNA
<213> Glycine max

<400> 25066

tactctttac tctcaaacgt ttgtctgtga gttatatgca aatgctacat tctactccaa 60
tcttttaatt tacatttgcc atcgtgttaa cagataacca acaactaatt ttaacaaaag 120
ttccttcata ttagaaaaac atctaattgt aggataaact tatgggtgat tggtagata 180
cgtaagctga tccattattt agtgaaagat aaagtaattt cttttagaca gtatgttttt 240
aaataaaatg catatattaa tattggaccc tttctctaac atatgtatgt gatctattgg 300
cctacagtct gagatc 316

<210> 25067
 <211> 381
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 25067

 agcttcatgt ataaagcaac tcaaaatcta ggtatccaaa acccctcaat ttaatggatt 60
 ttcaagggttt gagaagtga attgagaatg gggtaaattt gaagcaaact ctcacctcac 120
 acaagtctat aacatcaatt taaacttggt caaactgaac ttacacctaa aatttcaccg 180
 aatcaaaaatt tgactcctca acacccaaat ttaccctaga aatggctctt tgttcacttt 240
 ggtcatttgt ttttctctct tgcacagccc aaactttctc ataagtccta aatgacattt 300
 caatctanga ttaactccct ttaacctcca aataccacta aatccagatt tggccttcca 360
 actctcaaag tctcactctt t 381

<210> 25068
 <211> 85
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 25068

 ntagctcgcc tgtgcgagct tcaaccgccc caaaattgct ttttctctat aaatagccat 60
 tatggggggg ggggggtaag ggggtg 85

<210> 25069
 <211> 378
 <212> DNA
 <213> Glycine max

 <400> 25069

 agtttctata ctttatacaa gcatgaagct ttcataccac ttgtagacaa gtggcctcac 60
 atatcttaag aagggggggt gaattaagat attgcaaact atttcccaa ttaaaattct 120
 atttcacttt ctatgcaaga tacaattcc cttataaatg aactcttaaa taatgattca 180
 aatagaacaa tctaactata aatataaaac aataatatat aaaagagttt aacggaagag 240
 aaaatgcaaa ctcggattta tactggttcg gccacaccct tgtgcctacg ttcagtcccc 300

aagcaacttg cttgagagtt ccactatctt gtaaaatcct tttacaagtt ctgaacacac 360
aaggacaatc cttccttt 378

<210> 25070
<211> 420
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25070

tagtaaanaa tcaaatttca ttagaacata attttatctt atgcagatta gaccatgtaa 60
attcacgcgg cttaaattta ctctcagcac gattaatttg aattatacaa tgatctatct 120
aggtaattca caccattacc tatgttaata attagctaaa aatttacttc atttgggtata 180
cataaaatat ctatttatgc ttataagatt actttagaca attactagtc ttttaccctg 240
gcgacgcccg gcttcatact cctatttgaa tattactaac acatgtgcaa agttcaataa 300
cgatgtttat ttgtatgata ataatgttga gttatgttta gaaaaaagca atattaagta 360
agaatacaaa caaacctaata gctattgtag attgtgtata tgggtgtagat gtaacaatga 420

<210> 25071
<211> 363
<212> DNA
<213> Glycine max

<400> 25071

agttttgttt acattatgat agactttact tgaatcttga aaatgcaaata caaaaccatt 60
ttctttcagg ccctgatcaa ttcttgcaaa tgcaccattt gtaagctttg cttcttttga 120
tgcttgaact tcattccatt tttccttgca gcattcttga acggcatgca caatctcgtg 180
acgagaagta tatgctacgc aaatcaaata aactctctgg ttgttgagag cagtaactct 240
cattgctttt tccacagaag ccctgacagg ctcagtcaat agttgcaagt ctccaatgaa 300
atgtaatcga acaccgtatt cattgataag acttacttgt tgaagatact ctacaatctt 360
ttc 363

<210> 25072
<211> 411
<212> DNA

<213> Glycine max

<400> 25072

tataggcgtt gttttgcaat gattcgggtga tgtgggtttgt ttcttcccaa tttggcgtga 60
gctttttcttt tgagttatct ttcttggcat ttcttcggag cctccaaacc aagttgttgg 120
gcttgaagct acgtttcttg agcttcaagt tgtatttttg agttattctt tatttgcattg 180
cttcttcttg aactcatgct ttgcttttga gttcctcgac caaatccaac tctactgcca 240
aggattctga gttgttggcc gcattgaaca tgcttatgca gagtgaaggt tcgccgatct 300
ccacaggtat catagtgtcg atgtcgtacg ttaacttgaa taaagtgtct tgcattggtag 360
attgggagta cagtgggtacc ccatagcagc cttgggagct cgttcaccca t 411

<210> 25073

<211> 562

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 25073

caccacgcatt acntcancan acacganagt anagatagtg cacacatcga acaccgccgc 60
atngaaaaca tacancnca naanaaagaa agcngagaat nnaattgaag tcctcgacat 120
agcaanggcc naanncgagc acggaacccg gagaagcnca aaagncgacc agcaggcatg 180
cacgctcggg taggatgcat gcacggagga aaagaaagag ggacagaaaag agagaggacg 240
caccaccaa cgaaggaag aaaaaggag agaagtacaa ctctgagtcg agcctcataa 300
gacctcact caacaaagac acaacaagt caacacatga cactataaaa agactacgta 360
accacctga gacgccatcc cgagaaaaca accgcgagaa gctacgagga gaagacaccc 420
gtgagaagct agatctaagc tacacacacc cctctaagaa caaagcacac cttcttgaga 480
agcgaccgtg aaaagagtcc taaagaagct agagcatagc gacacacacc tccctaacag 540
caaacacacc tccacggaag ac 562

<210> 25074

<211> 383

<212> DNA

<213> Glycine max

<400> 25074

ttaagaagat tcctaaagaa gctagagctt agtctactcg cacatctcta atagctaagc 60
 tcacctcctt gagatgagaa gctagagctt acctacaaac cccctattat agctaagctc 120
 agccccataa caaaatacaa aaaattccct actacaaaga ctacttaaaa tacctcgaaa 180
 tacaaggcac aaaccctata atactagaat ggccaaaata caaggcccaa acgaaggaaa 240
 aacctattct aatatttaca aagataagcg ggctcatact ttgtccatgg gctcgaaatc 300
 taccctatgg atcatgagaa ccttagggcc ttcccttgga tctctggccc aatctgcttg 360
 gagtcttcta tccaatgccc ttg 383

<210> 25075
 <211> 382
 <212> DNA
 <213> Glycine max

<400> 25075
 agctttgcat tgtttttctc atccagcaag atgttggatg tcttaaaatc ccgaaatatt 60
 agctgcacca gtaagaatgg caatcattaa taatgtgttt ccccaaaagt tctcagtggg 120
 ttttagcata tgtgaaatgc tgtaaaagat atccatagta caaaccatcc acatccttct 180
 atttatgaca aaaactctct tccataaaga tatccatcca cccaattcac atttaaccaa 240
 aatcaattct gtaaaaccaa tccaaaatca agcatgcaaa tgttttaacc acaactaaag 300
 acccacatgc tttcttttca aaatcacata aatgatcaca gagacaaaac ctagataacc 360
 taattaatac gacaaggtaa ag 382

<210> 25076
 <211> 427
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25076

cgaccttaaa actcagctta nactaggctt ttctcttaaa actcttggtt tgtgccttta 60
 gggaacccta gaaaatttgg taaattatgt caacgaacca tgggatgaag gaaattgtct 120
 gttgctccac aaagattact acaaataaga ctcaccttg gggatgtttg actcctggat 180
 gcattctcat ttgcattcga ccgaaacaca atctttccag aaactctacg agaagcagta 240

cttgatattt tagaattgca attccttggt tcattttcaa tctctagctg ctttatcatt 300
 gaagaagttt cttcaactga tgggtgtacaa gggtcgccat ccaaactct tccataacca 360
 gtgaatggaa tgatccgggc agtcttagtt gctgaatcat catgaactga aacactatag 420
 tcagaat 427

<210> 25077
 <211> 379
 <212> DNA
 <213> Glycine max

<400> 25077

tctagcttgt tagaagctgt acaagtcaga gtctctttca gagaacagaa ttatataaat 60
 ttaatgatat catagataat gaaatatctg tggtccttag ttttcatttt cttgaggcat 120
 acattaatta ctgatcaatc agtgaatcgg ttcaactggg attaatatat attggcaaac 180
 cggtatattg ctaagtaatt ggtctgaata aattacgtga ttattcatac atcgtgattt 240
 cttcatcacc acataaaaca tcgtttttta catataataa ttcataatga ttatatgaaa 300
 catctctttt ataacaattt gagtatctga agaggacata tactttaatg gagaaataaa 360
 tttgtggatc acatctgat 379

<210> 25078
 <211> 388
 <212> DNA
 <213> Glycine max

<400> 25078

tatccaaagc ataaatgcta cataacatct tgaggctagc ataagctacg ctggagtacg 60
 acatgagagc ctgtactatc aacaaaagtc gctcttctaa taccattctc agttatatgc 120
 tacttttcat cgtctcttat tggagggtata aatctttaat atccccttga ttttgtgtat 180
 tacattaacc atatcttgat gctagtatat acgatacaaa aactttaatt tgattacttt 240
 ccttatgctc taatagacag cggatcaagg cttctctcac ctagtcttgc ttattgtctt 300
 ctagcatatg caagagggtg aaggacagac actttcggaa tccatgctac tcactcttgg 360
 caacaaaatc cttgtaatgc atagaaaa 388

<210> 25079

<211> 356
 <212> DNA
 <213> Glycine max

<400> 25079

ttgtttcttt tttaacttgg gaagtatgaa agcttattta caacgggtctt gtgaatgcct 60
 gccagtacta attagtttgc attactacct ctaaactcat atataagtac aaataactaa 120
 ttacgctaata tatgtccaaa tattgaacta cacgtgcac caatcataaa tatecttgct 180
 ctagtgtaac ctgtcttggt aatcagcttc tagtttgagt atatgtttct gaaaccatgg 240
 gtatcggggtt tgtctgagtg gatctactct taatttcttg aatacttatt tagttttgga 300
 tccaattcta agatactccc ccccgacccc ctaatttaca ttatagacaa gagagc 356

<210> 25080
 <211> 416
 <212> DNA
 <213> Glycine max

<400> 25080

tgaacaacct aatattattt gtcctatcaa gctattgttt gctctaaaac aaataagaag 60
 attagttggt tggtcgggtc actgactgat tcttaattgt cttagagacg gatatacaat 120
 ctacgcactt agtcttttct ttcaagatgt aaaagggtatt atgagagctt ttgaacttta 180
 caaagaattt atagaaaagc ttacaataa gaattcaaag atagtagcac gtacgttcgt 240
 gccttcatct cttctagact ttgggtatat ataggccttc ttcttcaagg gttagttgtc 300
 ttgaaatgga tagatttatt cacttaagct tgcataatgaa gatgcaacta ttggggcatt 360
 taatgcttac aataaatgca cgccccctac atgttggaag gtcactctct ttagct 416

<210> 25081
 <211> 358
 <212> DNA
 <213> Glycine max

<400> 25081

tctattttgc tgagtgtga gcataaattt atagccttta ttttgatttc ttttttacct 60
 cttgtactca actgttgaca gatcaaagag gacaagtatt ttattcacia ccacttagca 120
 tttgtgggta agtatcatat tgatccagag ttagatttgt caaggattgt aggatttgag 180

gttacaccat tcaggttgta ttataattct tttccaccta gtttctaata tagtcttgta 240
 cttatctatt aatcttatgg ctaataataa ctgtacattg aaatgattct tatgaattca 300
 gcgtaaagca tgaatatgaa agttaatgga atgagaattc ccgcttaact acctgtga 358

<210> 25082
 <211> 361
 <212> DNA
 <213> Glycine max

<400> 25082

ttgctaagggt cggatatgcg cagaagatct tcttgcaat atcttgatta cagatcgcg 60
 cagaattctt cggcttttgta catccaaagt atactttgac gtatggagggt ggccaccgag 120
 tgaactatcc acgagacaac catattgtta catcgacgcc acgctccatg cattctatct 180
 gttttgacag gttcaggcgc gctgtcattt atgaactcta ctttgttctt ggctctcaat 240
 gcaatgatca tggacctgct ccatgagtgg tagttactcg aatgtaagac tgtggaaaca 300
 cggactgtgg ccggtttctc gtcgatatgg atgcagagat aactctccat gttgttgatg 360
 g 361

<210> 25083
 <211> 340
 <212> DNA
 <213> Glycine max

<400> 25083

ttatccttta tataagctaa ggcgaggggt gttcataccc agttacacac cacttgagcg 60
 atcgtatcca ccgatatgca atgtttctat agtatgacgc gtaatacaaa ggagtgcctt 120
 ctttgattaa tagtgttcgc cgctctacta acatttctgt tggatctttg cctcttagat 180
 gagaacaaat agggatatgaa ttggctcgat ttcatacgtc aaaagctcat aacctcacta 240
 cactcacatg gtaaccgagt tcacctaacg gcggtggcga gctacacacg cagtggttac 300
 gggcgatcgc gacgttttta ccctgggact ctgtaaaccg 340

<210> 25084
 <211> 417
 <212> DNA
 <213> Glycine max

<400> 25084

tgtcaaattg aaacaaatgc ttgtacaaat gaatggttca tataaagggt aaaacagatt 60
taaaaattga aactacatcc taaaatataa cgctaaagca ctgaccaatt atgtttattt 120
ataaggtggc cttatagtct tacaccaaac caaaaaactt gtgcatcaaa aatacaaaaa 180
aaaattcctc aaattgttgc ttatttccaa ggtttttctt tgttttgaac tccctatgaa 240
cccgaaaaca caaaagctac tattgcggaa ccacattggt tataacattc tagcacatca 300
aatacatagg gtatgactta tgtgtttcaa tcagcaattt ctctacataa aataattttt 360
tttattgatt aattatcttt ctccaaagta acttactgaa caaacctac cctatgt 417

<210> 25085

<211> 358

<212> DNA

<213> Glycine max

<400> 25085

atttatttgc aacggcaact atgttggtga taaagttgaa aggaaaaaca catgcggcag 60
atgtcacttt attggtggta acttagttac gtggatatgc aataaactag actcaactac 120
attgtccact gttgaagttg gatatatgac aacaacaagt tgatgtactc aacttctatg 180
gataaagaat cagctcgaag actacaacat ctatgatagt caaattccca tctattgtga 240
taataaagct gctataagtc tttctaaaaa tccaacattg ccttctagat ctaaacatat 300
acaaattaag catcatttca tacaaccctt aaccaaagac atcacgttct caatggga 358

<210> 25086

<211> 563

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 25086

cccttcgaaa cgacacaaa cgatcacact gcggangcat aataggggtc agnacaagaa 60
tagaccgcgt gagacacana aaccaaagc acggnatnn nttganacat cgtagcancg 120
cngngacact aganaacacg caagcggacg gaagcnancc agcccgacaa aaccagaatt 180
cttgtgctat ccagcaaacc caccgacggg ccagggcca aaaagaatcc acaagggacg 240
aacgcgactg aattgccgca gcagacaaac aactaccaag gccacaaacc aaagggggag 300

ccagaagcaa ggaagcgaga gcacctgcac acacggaaac acaaccaacc agacactcta 360
cgagaagcag cgatcgcaac acgagaaacg acaagcccg gatgaaccac aaccgcaaca 420
cgggcgacca gagaagaaga ttcatcaccg gaaggggaga cagaaaagcg acgaacccaa 480
accctcaact caaggaaaga acagacaccg caagcgaacc cgagaacatg cctcacaagc 540
gacacaacaa agcagccaaa ccc 563

<210> 25087
<211> 374
<212> DNA
<213> Glycine max

<400> 25087

tgtatgtttt cttatagaga tgttatttat ttatgcttta ccatttacta atagtgactg 60
atatattgta aatagactgt acacacgatg aatgaagata aaaacaattg gaatgataaa 120
gctctgactt tgatggagat tatcggatca acggctgaaa cgatcgacac aattcatatt 180
aaagatcacg ttatgaatgt caagactatt ctcaaataga catgacatat tttaacacat 240
tagtattgct tatattatct ctctttacat gtattcttat ggcgaaagtga gtaagacttt 300
tgctgtaata tagaatgatc aactagagca tacttggcat atgctataca gtcttgacaa 360
catgcactct atta 374

<210> 25088
<211> 419
<212> DNA
<213> Glycine max

<400> 25088

ttgaacaata tacttggcct tcatttaatt gtttcttggc ttggcggcca cgctcaacaa 60
agtactttcg acacctactg tacgttgatt tgaccaaggc tgttatggga atgttgcgac 120
aatccttcaa aaccttattg atacattcta agaggttggc tgtcatgtgg ccatatcgac 180
gtcattctct atcataagcc atcgccatt tttcctttga aatgcgatca atccatgttg 240
ctatggctgg acttagttca cgaaatTTTT ctaaattttg ataaaaaaaa atgtgcttgc 300
aaggagtgta ggctgcataa aattagttat caataacaat tttaagtata tatggaagtt 360
aaataaacgt gaccattaaa tatgaaatct taccoactt cttcaacatt tctttttgt 419

<210> 25089
 <211> 378
 <212> DNA
 <213> Glycine max

<400> 25089

ggatatgttaa tttgaacttg cctgctaagc gagagtgcgc actgagctag gattacacgc 60
 tgagcgagct gttcaattct tccaactctt cttcaattct tgcatacaatt ttactctaaa 120
 gcacttgaat tcttcttctt ttgacttctg ctaataaaaa attgcaaaga tgctaatttc 180
 ttogttatct cattcaaaac aatagctacg tgaagaaatt acaatcatta ttagtcaaaa 240
 ttgactatca agttaactca gatttcgcag ttatcaactc ctccaaatta aaacatttgt 300
 ttgtcctcat gcaaaagaca agttctgagt gtgccaacac atgagataac tatgaatcca 360
 ttaatacatt tgtcttga 378

<210> 25090
 <211> 407
 <212> DNA
 <213> Glycine max

<400> 25090

ttatgaatta ctttggctga aaagttttga gctaattgca agctatggca taaggcattt 60
 acgaattgct ttgggtgaaa agcatcttag aagacttgaa aattaaatgg gatggatcta 120
 tgaagctcta ttttaataat aagtcagcaa tcaatatagc tcatattttt agtttatata 180
 ccaaaacttt tagtttacca atctcaactc tttcccatca acacacccaa atggagaata 240
 aagatgagat ttattcatcc atcaggaaaa aaatgctgct tgtcaaaaat taatcaggta 300
 aatttttctt caaatagaaa taccacaaaa aattcaagcc aaggattcca tggatcattt 360
 ctatataatt acatattagt gttatactaa aacttcagag gcatatc 407

<210> 25091
 <211> 379
 <212> DNA
 <213> Glycine max

<400> 25091

agcttcttag tctcagatga tgcagctgag tttgtagcta cctcatgcac tcctctaattg 60

actatagcat catttatggc gctaaaactgc tgggagttag aagccatctt ctcaattaaa 120
 ttcttggtt cagcaagagt catgtctcca agggctccac cactggcagc atctatcata 180
 cttctctcca tattactgag tccttcgtaa aaatattgga gaagaagctg ctctgaaatc 240
 tgatggtgag ggcaactggc acatagtttt ttaaatecgt ccagtaactc ctacaggctc 300
 tctccactga gttgtetaat acccgagata tctttcctga tggctatggt cctagaagca 360
 gggaaaattt tttctaaga 379

<210> 25092
 <211> 426
 <212> DNA
 <213> Glycine max

<400> 25092

tgacaagaaa gcagaacctg gaatttttgt aggttatagc tcaacttcaa aggcctacag 60
 aatctaccta ccatagagca acaaagtaat catcagcagg gatgtcaaat ttctggagtc 120
 agatagttgg gactggaaaa atgataagag gtccgagttt caggaggaga atgaagatgt 180
 tgatgaagaa ccataagag gaaccagatc actttcagac atctgccaaa ggtgtaatgt 240
 tgctgtgatg gagcctgagg gatatgaaga agctacagct gatcagaaat ggataaatgc 300
 aatgaaagag gagcttaca tgattgaaaa aaataaaaca tgggagctgg tggacagacc 360
 taaccacaag aaagcgattg gtgtcaagtg ggtttataga accaagctca atccggatgg 420
 ttctgt 426

<210> 25093
 <211> 373
 <212> DNA
 <213> Glycine max

<400> 25093

agtctccgtt gttcaatttt gagcgtctcg atatattatg cgctgaatc tgactttcga 60
 gttaaaagtt atgaccattt caatttcacg agggcttctg ttgttcaatt ttgagagtct 120
 ctatatatta tgcgcctgaa tctgacatcc gagttaaaag ttatgaccat tcgaatttct 180
 cgagagcttc cgttgttgaa tttcgagcgt ctcatatat tatgcgcctg aatcgacat 240
 ccgagttaaa agttatgacc atttgaattt cttataagct tccgttggtc aatttcgagc 300

atctcgatat attatgcgcc tgaatctgac ttctcgagtta aaagttatga ccatttgaat 360
 ttctcgagag ctt 373

<210> 25094
 <211> 407
 <212> DNA
 <213> Glycine max

<400> 25094

tataagaaat tcaaattggtc ataactttta actcggatgt tcgattctgg cgcataatat 60
 atcgagacgc tcgaaattga acaacggaag cattagagaa attcaaattg tcataacttt 120
 taactcggag gtctgattca ggccgcataat ctatcgagac gctcaaaatt taacaacgga 180
 agctcttgag caattcaaatt ggtcataact tttaactcgg atgtccattt caggcacaca 240
 atatatcgag acggttgaaa ttgaacaacg gaagctctcg agaaattcaa atgggcataa 300
 cttttaacta ggatgtccga ttcaggcgca taatatatcg agacgctcga aattgaacaa 360
 cggaagggtta tgagaaattc aaatgggtcat aacttttaac tcggatg 407

<210> 25095
 <211> 374
 <212> DNA
 <213> Glycine max

<400> 25095

agcttgcac ttattttaga attcctctat aataaagttt attacatcaa tccttttcat 60
 tttttggtgg taaggacggc ttttagcccat caatcctttt tctatatcta tcatattaat 120
 gatccgggct cctttgaata ttttacagga aagattctat ttcacctgta atccgatttc 180
 gtaatcccgat gatgtgaccg tttttatttca tataaattaa ttccttcttt tatatgtgca 240
 catacaagag ttgggttagc gttttttttt ttgtacaaaa gtaaattaaa ccattttcac 300
 cagtttagcg gctttcgcca ccttcttcta cctctacaat atcccaccac tgccacaatg 360
 cccctccac gtgt 374

<210> 25096
 <211> 418
 <212> DNA
 <213> Glycine max

<400> 25096

tcagaccaaa ataactcaaa atctaggtat ctaaaactct ttttttagtg gatittcaag 60
gtttgagaag tgaaaatgag aatggggtaa ctttgagca aactcccatc tcaacaagt 120
ctataacatt aatctaaact cgctcaaact ggttttacga cgaaaactct accgaatcaa 180
aatttgactc ctcaacaccc aatttaccct agaaatgggt cttgccttca ctttggtcac 240
tcattttcct cttttgcaca gccaagctt tcccacagtc ctaaatgaaa ggattaactc 300
actctaact ccaattacca ctaaatccag atttggcttt tcaaactctc aaagcatcac 360
acctttccac tcatatcact acattctcac tttttaaccc taggttaact ctaccctt 418

<210> 25097

<211> 381

<212> DNA

<213> Glycine max

<400> 25097

agcttgattt gaattaccat ttcaaagag caccaattac gcttgcaccc agaagagcta 60
caagtcaagc tcaaacacaca gatagcaaac ctctcaact ctagagtctc atcaccaaac 120
atctcccacc attctccagg ttgcataact tttctagtgt cttttgcctc ttccatagac 180
aaaaaccctc tagcaaaatc aaactcaaca agttgcaaat taattttttt tcttttctac 240
aacatccttg accaatcttc tcatacacat gtgcaacct tctttcacct gagggtcac 300
atgtctaaaa ctaggtttat aatgcaaag aggattacta taatacgag ttgtatgcaa 360
aggcttgtga agctaataat c 381

<210> 25098

<211> 405

<212> DNA

<213> Glycine max

<400> 25098

gttctttgtg gattgatgaa ctctgtcatg cagaattgtt gattgctggc tgacatattc 60
tcaattagct cagttgcctc ttcattgggt ttcaacttta tttttcccc tagtgaagca 120
tcgaacagtt gcttggtttg tgggtctcagc ccattataa acatattcaa ttgatttggc 180
tcagagaacc catgggtggg agtctttctc aataaacctc taaacctctt gtcgcaacct 240

[illegible]

<400> 25099

<400> 25100

$\langle 210 \rangle$	25101
$\langle 211 \rangle$	356

<212> DNA
<213> Glycine max

<400> 25101

gaagtgcac aaatctatca tcgtgattcc taaagcactc tcacaagatt atcaactaaa 60
gctttctatc tattaatgct ttaaccgggt ctctaaggga tcttgtagc agttccatta 120
attattatac accaacaagc atttttgata ggaagactaa aagaaatgtg tcactaatgc 180
actgattatg tgttgagaa ataaaggag taaacgccgg gatatttaca ccaatgagtc 240
atgagcaacc atataagaaa acttgacacc acatttaacc cagaacctta aggctcatga 300
ttatgagtca attggctctt ataccaacta ttggtgaatt gaatggagta aacacc 356

<210> 25102
<211> 424
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25102

gggagaggat gcttcaatgg aggaaaagaa agagtgtgtt agaaagagag agggggggagc 60
acgaaattga aggaagaaaa agggagagaa gttgaacttt gagttgtgtc tcacaagact 120
ctcattcatc aaagttacaa caagtgttac atatgcttct atttatagac taggtagctt 180
ccttgagaag ctttcttgag aaaacttcct tgaaaagctt atttgagaaa acttccttga 240
gaagctagag cttagctaca catacccttc taataactaa gctcacctcc ttgagaagct 300
tccttgagaa gattcctaaa gaagctagag cttagctaca cacacctctc taatagctaa 360
gctcacctcc ttgatatgag aagctagaac ttagctacac accnctata atagctaagc 420
tcac 424

<210> 25103
<211> 375
<212> DNA
<213> Glycine max

<400> 25103

taagcttggg atgaaacaaa tgcgattcat caaaaattac atctctactg agaagaactt 60
tcttttcaga tggtgaccag atcctatagc ctttcactcc atcaccataa cccatgaaca 120